BRITISH RAINFALL,

1927.

M.O. 305. FOR OFFICIAL USE

METEOROLOGICAL OFFICE—AIR MINISTRY.

BRITISH RAINFALL, 1927.

THE SIXTY-SEVENTH ANNUAL VOLUME OF THE
BRITISH RAINFALL ORGANIZATION.

REPORT ON

THE DISTRIBUTION OF RAIN

IN SPACE AND TIME OVER

THE BRITISH ISLES

DURING THE YEAR

1927

AS RECORDED BY ABOUT 5,000 OBSERVERS
IN GREAT BRITAIN AND IRELAND.

WITH MAPS AND ILLUSTRATIONS.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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Errata in "British Rainfall, 1925."

p. 205. Penrith (Ennim), *for* 940 27·00 186 146 *read* 1113 43·83 201 159.

Errata in "British Rainfall, 1926."

p. 163. Oxford (Radcliffe Observatory) Rain-days, *for* 186 *read* 187 ; Wet-days, *for* 124 *read* 128.

p. 170. Sprowston (Oak Lodge), *for* 22·48 179 116 *read* 23·42 217 132.

p. 172. Larkhill ; Diameter of Rain-gauge, *for* 8 *read* 5.

p. 176. Moretonhampstead (Blackngstne). *Delete the entry.*

p. 181. Walton-by-Clevedon, *for* 36·86 *read* 35·86.

p. 196. Heswal (Gayton Cottage). *Insert* 29·24 as rainfall for 1926.
Prenton W.W., *for* 23·93 *read* 25·21.

p. 210. Ryal Cottage, *for* 39·33 *read* 29·33.

p. 223. Maughold Head, *for* 42·92 *read* 42·40.

p. 230. Airdrie (Forrestburn Res.), *for* 39· *read* 39·80.

p. 257. Limavady (Roevista Manse), *for* 1·36 *read* 41·36.

p. 274. Fourth line below Table VI, *for* 27 *read* 2·7 per cent.

p. 277. Fourth line from bottom, *for* ·23 *read* ·203 inch per rain-day.

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BRITISH RAINFALL, 1927.

PART I.

THE WORK
OF THE
BRITISH RAINFALL ORGANIZATION.

BRITISH RAINFALL, 1927.

PART I.

THE WORK OF THE BRITISH RAINFALL ORGANIZATION.

THE STAFF OF OBSERVERS.

The observations which form the basis of the following account of the rainfall of the British Isles in the year 1927 were made in part by private observers; in part by the officials of various public bodies, who have voluntarily forwarded copies of their observations; and to a small extent by the official observers of the Meteorological Office. The thanks of the office are due to the large body of voluntary observers without whose continued co-operation this detailed study of the rainfall of the year could not be undertaken. The total number of observers is continually changing, and it has been customary to take as an index of observing activity the number of entries in the table of *British Rainfall* showing the total rainfall for the year. Such a statement is set out below. In making comparisons between the number of entries for 1923 and later years on the one hand and those for previous years on the other, it is to be noted that to economise space in recent years certain records have been eliminated whenever such a course is possible without detriment to the usefulness of the publication. For example, annual totals from check gauges are omitted if they merely confirm values which already appear in the General Table, Part III; totals from autographic gauges are not given if those from ordinary gauges placed alongside are available, and totals from roof-gauges and from gauges of which the exposures are known to be otherwise defective are also omitted.

It is satisfactory to note that there is a net gain of stations in each country, viz. England, Wales, Scotland and Ireland, and the total number of records published in the General Table is 4,970 or 97 more than in the previous year.

There has been an appreciable gain in the number of records from the home counties. Of these, mention may be made of two records supplied by the Engineer of the Woking Water & Gas Co., and three records from Letchworth. The new records from St. Catherine's Point, Blackgang Chine, and from a new gauge at Brighstone form a useful addition to those from the Isle of Wight. Important records have been received from Dartmoor, from areas hitherto unrepresented. The Rev. H. H. Breton, observer at Dean Prior Vicarage, previously contributed from Morwenstow in North Cornwall. He has placed on record his experiences during the Christmas snowstorm of 1927 on Dartmoor in a little book to which reference is made on page 72. Three of the five records supplied by the Plympton R.D.C. are from gauges situated at altitudes over 1,300 feet. The records from Dartmoor (Fox Tor), supplied by the Paignton U.D.C. and Postbridge (Warren House Inn) of the Torquay, W.W. are also from high level stations and from areas where few records are available. The records from Richmond C.E. School (Yorkshire N.R.) and Alston (Cumberland)

also fill gaps in the network of stations. In both cases earlier records are available. There are eight new records from the gathering ground of the Manchester Corporation in Westmorland.

Of the gains in Wales, mention should be made of Mynachlogddu Council School in Pembroke, Llidiartywaen School in Montgomery, Abergorlech in Carmarthen and Llanuwchllyn, to the south-west of Bala, in Merioneth. The former is one of the most isolated schools in the country and records have been received from there previously. The last two stations are each representative of an area of about 10 square miles from which no rainfall returns have ever been received. These should prove of considerable importance in checking the drawing of the isohyetal lines on the rainfall survey of Wales. Records have also been started at the two stations Talgarreg Council School, in Cardigan and Trefeglwys, in Montgomery, to the east of Plinlimmon, but they are not complete for the year, although it is hoped to be able to include them in *British Rainfall,* 1928.

For Scotland, it is possible to publish returns from the following stations which are relatively isolated :—Tiree, Balquhidder (Stronvar) in Perth, Loch Pattaig and Loch Laggan (Ardverikie). In Ayr there are eight additional records and no losses. This is the largest net gain for any county of Scotland. Three of the new records are supplied by the Water Engineer at Kilmarnock.

Most of the gains for Ireland are old stations which had been temporarily omitted from the General Table. Records published for the first time include those from Nohoval Rectory in Cork, Desart Court, near Kilkenny, Drimbawn House and Aasleagh Rectory in Mayo, the Technical School at Enniskillen and Aldergrove Aerodrome near Belfast. A number of gauges have also been set up in connection with the Shannon Electricity Scheme and it is hoped to be able to include these in *British Rainfall,* 1928.

Many records have been received during the year, which have added considerably to our knowledge both of the variations from year to year and of the average rainfall in various districts. Among these the following may be mentioned :—Newbiggin, to the north-west of Barnard Castle, and at an altitude of 1,000 feet, records covering 11 years ; Middlesbrough (Dorman Museum), 22 years ; Stratford-on-Avon (Avonfield), records from 1876 to 1901 to complete series to date ; Wisbech in Cambridgeshire, 1884 to 1914 to complete series to date ; Egglescliffe in Durham, 1898 to date. It is likely therefore that there are other records which have been made regularly for many years, but have never been placed on record in a permanent form. Such records are always welcomed.

The most serious omissions from the General Table in the case of England are the important stations at Seathwaite and the Stye in the Lake District. The annual total for one station only is included and that was completed by reference to the falls at other stations in the district. Fortunately the omission is only temporary. Arrangements have been made for these observations to be continued and it is hoped to be able to include them, together with an additional record from Rosthwaite, in *British Rainfall,* 1928.

The loss of the following records is also to be deplored, since the distribution of rainfall stations over the British Isles is less satisfactory in consequence of their absence. Mortonhampstead Rectory on Dartmoor, Silloth on the Solway Firth, Llanwrtyd Wells in Brecon, Loch a' Bhealaich and Lochan Sgoir on Ben Alder in Inverness (which gave some of the largest totals year by year for Scotland); Toormore (Altar Rectory) in Cork and Ballyhaise Agricultural Station in Cavan.

The loss of records from the following stations is especially regretted, since these are all old-established stations, for which average values for the 35 years 1881 to 1915 have been evaluated. Tean (The Heath House) in Stafford, Warter in Yorkshire, E.R., Bwlch Tomlyd near Garthbibio in Montgomery, where the gauge has become defective, Biggar in Lanarkshire, Coupar Angus in Perth, Inverness High School and Lavistown House at Kilkenny. The records at Braemar (Bank) and Helmsdale, for which averages are available, have also had to be omitted this year.

British Rainfall, 1927, *compared with* 1926.

Number of Records Published.

	Gain.	Loss.	Difference.	Per cent. change in year.
England	252 ..	179 ..	+ 73 ..	+ 2·1
Wales, etc.	18 ..	12 ..	+ 6 ..	+ 1·3
Scotland	40 ..	29 ..	+ 11 ..	+ 1·4
Ireland	18 ..	11 ..	+ 7 ..	+ 2·9
British Isles	328 ..	231 ..	+ 97 ..	+ 2·0

Number of Rainfall Records Published in the Volumes of "British Rainfall" for the undermentioned Years.

Years.	England.	Wales, etc.	Scotland.	Ireland.	British Isles.	Change from previous year.	No. of Stations per 100 sq. mi.
1861 ..	333 ..	9 ..	109 ..	20 ..	471 ..	+ 47 ..	0·4
1871 ..	1038 ..	88 ..	311 ..	67 ..	1504 ..	+ 5 ..	1·2
1881 ..	1548 ..	131 ..	313 ..	153 ..	2145 ..	+ 41 ..	1·8
1891 ..	2091 ..	168 ..	359 ..	181 ..	2799 ..	+ 23 ..	2·3
1901 ..	2616 ..	253 ..	442 ..	195 ..	3506 ..	+ 13 ..	2·9
1911 ..	3705 ..	397 ..	701 ..	271 ..	5074 ..	+198 ..	4·2
1914 ..	3962 ..	450 ..	753 ..	288 ..	5453 ..	+ 83 ..	4·5
1919 ..	3419 ..	436 ..	766 ..	277 ..	4898 ..	—101 ..	4·1
1920 ..	3460 ..	453 ..	758 ..	281 ..	4952 ..	+ 54 ..	4·1
1921 ..	3577 ..	446 ..	784 ..	271 ..	5078 ..	+126 ..	4·2
1922 ..	3601 ..	470 ..	785 ..	270 ..	5126 ..	+ 48 ..	4·2
1923 ..	3406 ..	442 ..	754 ..	262 ..	4864 ..	—262 ..	4·0
1924 ..	3438 ..	438 ..	756 ..	248 ..	4880 ..	+ 16 ..	4·0
1925 ..	3437 ..	439 ..	750 ..	259 ..	4885 ..	+ 5 ..	4·0
1926 ..	3418 ..	442 ..	775 ..	238 ..	4873 ..	— 12 ..	4·0
1927 ..	3491 ..	448 ..	786 ..	245 ..	4964 ..	+ 91 ..	4·1
Difference from 1926:	+73 ..	+ 6 ..	+11 ..	+ 7 ..	+97 ..	— ..	+0·08

For assistance in the collection of the rainfall returns for the year we are especially indebted to officials of various local organizations, among whom may be mentioned :—Mr. C. P. Sinclair, of the Hertfordshire Natural History Society and Field Club ; Mr. R. H. Primavesi, of the Northamptonshire Natural History Society ; Mr. A. W. Preston, of the Norfolk Rainfall Association ; Miss Young, Librarian at the Barnstaple Athenaeum ; the Rev. F. P. Synge, of the Mid-Wessex Rainfall Association ; Mr. A. P. Jenkin, of the Cornwall Rainfall Association ; Mr. A. A. Barnes, of the Manchester and Stockport Rainfall Organization ; Miss Cordelia Marshall of Ambleside ; and Mr. E. W. M. Murphy, of the Irish Rainfall Association.

County.	Records in 1926.	Records Lost.	Records Gained.	Records in 1927.	Records per 100 sq. mi. of area.
ENGLAND.					
London	60	4	2	58	50
Surrey	166	9	22	179	25
Kent	149	6	8	151	10
Sussex	160	5	13	168	12
Hampshire ..	171	16	19	174	11
Berkshire ..	51	5	6	52	7
Middlesex ..	60	6	2	56	24
Hertfordshire	76	3	10	83	13
Buckinghamshire	41	4	5	42	6
Oxfordshire ..	50	0	3	53	7
Northampton ..	65	4	2	63	6
Huntingdonshire	7	0	0	7	2
Bedfordshire ..	23	1	4	26	6
Cambridgeshire	44	1	1	44	5
Essex	102	3	6	105	7
Suffolk ..	54	3	9	60	4
Norfolk.. ..	84	6	5	83	4
Wiltshire ..	52	1	9	60	4
Dorsetshire ..	77	4	9	82	8
South Devon ..	158	9	22	171	10
North Devon ..	42	5	4	41	5
Cornwall ..	70	3	6	73	5
Somersetshire..	148	5	13	156	10
Gloucestershire	100	5	3	98	8
Herefordshire	43	4	3	42	5
Shropshire ..	50	3	3	50	4
Staffordshire ..	57	2	5	60	5
Worcestershire	64	3	0	61	8
Warwickshire ..	41	2	3	42	5
Leicestershire	31	0	3	34	4
Rutlandshire ..	1	0	0	1	0·7
Lincolnshire ..	59	4	5	60	2
Nottinghamshire	50	0	4	54	6
Derbyshire ..	74	4	4	74	7
Cheshire ..	78	3	2	77	7
South Lancs. ..	122	1	1	122	18
Central Lancs.	78	5	2	75	14
North Lancs. ..	53	2	1	52	9
Yorkshire, W.R.	294	5	8	297	11
Yorkshire, E.R.	26	3	1	24	2
Yorkshire, N.R.	89	7	9	91	4
Durham	41	3	4	42	4
Northumberland	41	3	2	40	2
Cumberland ..	60	13	1	48	3
Westmorland ..	56	4	8	60	8
MONMOUTH, WALES, ETC.					
Monmouth ..	35	0	0	35	7
Glamorgan ..	56	0	2	58	7
Carmarthen ..	17	1	1	17	2
Pembroke ..	13	1	1	13	2
Cardigan ..	18	0	0	18	3
Brecon	87	1	0	86	12
Radnor	22	1	1	22	5
Montgomery ..	24	1	1	24	3
Flint	13	1	3	15	6
Denbigh.. ..	44	4	1	41	6
Merioneth ..	20	0	2	22	3
Carnarvon ..	49	0	4	53	9
Anglesey ..	11	0	0	11	4
Isle of Man ..	8	0	0	8	4
Channel Islands	25	2	2	25	33

County.	Records in 1926.	Records Lost.	Records Gained.	Records in 1927.	Records per 100 sq. mi. of area.
SCOTLAND.					
Wigtown ..	9	1	1	9	2
Kirkcudbright	15	1	0	14	2
Dumfries ..	18	1	0	17	2
Roxburgh ..	15	0	0	15	2
Selkirk	7	0	0	7	3
Peebles ..	13	0	0	13	4
Berwick.. ..	12	0	1	13	3
Haddington ..	11	0	4	15	6
Midlothian ..	37	0	0	37	10
Linlithgow ..	19	1	0	18	16
Lanark	42	2	3	43	5
Ayr	38	0	8	46	4
Renfrew ..	44	1	0	43	18
Dumbarton ..	23	0	0	23	9
Stirling.. ..	37	0	0	37	8
Bute	6	0	0	6	3
Argyll	75	2	4	77	2
Clackmannan ..	8	1	0	7	13
Kinross	4	0	0	4	5
Fife	34	0	3	37	7
Perth	70	3	3	70	3
Forfar	35	3	1	33	4
Kincardine ..	11	0	2	13	3
Aberdeen ..	36	2	2	36	2
Banff	12	2	0	10	2
Moray or Elgin	9	1	1	9	3
Nairn	5	0	0	5	3
Inverness ..	67	6	5	66	1·5
Ross & Cromarty	28	0	1	29	0·9
Sutherland ..	11	2	0	9	0·4
Caithness ..	10	0	0	10	1·4
Orkney	10	0	1	11	3
Shetland ..	4	0	0	4	0·7
IRELAND.					
Cork	21	1	1	21	0·8
Kerry	13	1	1	13	0·7
Waterford ..	5	0	3	8	1·1
Tipperary ..	15	1	0	14	0·8
Limerick ..	9	0	0	9	0·9
Clare	5	0	0	5	0·4
Wexford ..	7	0	0	7	0·8
Kilkenny ..	4	2	1	3	0·4
Wicklow ..	9	0	0	9	1·1
Carlow	5	0	0	5	1·4
Queen's County	3	0	1	4	0·6
King's County..	8	1	0	7	0·9
Kildare.. ..	1	0	1	2	0·3
Dublin	28	2	2	28	7·9
Meath	6	0	0	6	0·7
Westmeath ..	9	1	0	8	1·1
Louth	4	0	0	4	1·3
Longford ..	4	0	0	4	0·9
Galway	5	0	0	5	0·2
Roscommon ..	2	0	0	2	0·2
Mayo	7	0	2	9	0·4
Sligo	2	0	0	2	0·3
Leitrim	2	0	0	2	0·3
Cavan	4	1	0	3	0·4
Fermanagh ..	3	0	1	4	0·6
Monaghan ..	1	0	0	1	0·2
Armagh	5	0	0	5	1·0
Down	15	1	0	14	1·5
Antrim	18	0	3	21	1·8
Londonderry ..	10	0	0	10	1·2
Tyrone	4	0	1	5	0·4
Donegal ..	4	0	1	5	0·3

ORGANIZATION.—The preparation of this volume has been carried out entirely under the plan referred to last year, whereby the monthly and annual totals of rainfall received from observers are, in general, plotted on the maps as soon as possible after receipt, without any prior check of the arithmetic or any detailed scrutiny and comparison with returns from neighbouring stations. Exceptions are, however, made in cases of returns from new observers and in cases where alterations were effected in last years' returns after consultation with the observers. Among the latter class are those returns in which the rainfall is entered to the day of observation instead of the previous day. Returns from new observers are carefully scrutinized before they are plotted, and the other exceptional cases are examined generally, and especially in respect of the matters which led to alterations in the previous year's returns. The maps are then drawn, cases of " misfit " are carefully looked into and the observers concerned are communicated with. In this way the work of examination is reduced, but, at the same time, it is focussed upon those returns which need it most. It is thought that no really serious errors are overlooked by this process and that errors due to faulty gauges or faulty exposures are now more efficiently dealt with than previously. On the whole, the new method has worked well and it has effected a definite reduction in the time required for the preparation of the volume, which some who may not have considered the matter fully regard as much too long.

Several expressions of satisfaction have been received in respect of the change which was made in the General Table of Rainfall last year, whereby a column for the average annual rainfall was substituted for that which gave the annual rainfall for the year under review in millimetres.

It is appropriate that *British Rainfall* 1927, which contains some account of the great snowstorm of Christmas 1927, should also include a valuable historical article on the snowfall in the British Isles during the past 50 years. The article is by Mr. L. C. W. Bonacina, F.R. Met. Soc. who has made a special study of this subject. The article contains a great deal of information which would not otherwise be readily available. Part IV of this volume contains also a further note on the exposure of rain-gauges by Mr. F. Hudleston, M.Inst.C.E. who has continued his researches at Hutton John, near Penrith.

INSPECTIONS.—During the year ended 31st March, 1928, 183 rainfall stations were inspected. This number falls far short of the ideal number, for it is our aim to see once in ten years every rain-gauge from which values are published, and this would involve the inspection of quite 500 gauges a year.

SURVEY MAPS.—The work on the detailed rainfall survey of the British Isles by the preparation of average annual rainfall maps on the scale of two miles to the inch, has been continued. The map was extended to cover the counties of Nottingham and Hereford, while considerable progress was made with the preparation of the data for the counties of Somerset, Wiltshire, Dorset, Cheshire and Stafford.

INQUIRIES.—Evidence regarding the average annual rainfall over a specified gathering ground was given before Parliamentary Committees which were considering the Bury and District Joint Water Board Bill, 1928.

In connection with the stabilization of Easter Bill, the records of rainfall in London for the Easter week-ends of the last 100 years were compared with the corresponding records for the week-ends containing the second and third Sundays of April. The result showed that so far as the rainfall of London is concerned, nothing would be gained or lost by the holiday maker if the date of Easter were fixed to fall in either of these week-ends.

Numerous other enquiries, involving the supply of reports and data regarding rainfall were also dealt with.

TWO CENTURIES OF RAIN.—In previous volumes of " British Rainfall " considerable attention was paid to the evaluation of the rainfall of earlier years. These results were summarised in the frontispiece to *British Rainfall*, 1891, where the annual rainfall fluctuations were shown for the period 1726 to 1891. With the introduction of the 35 years 1881 to 1915, as the standard for reference, the recomputation of the earlier values became desirable. This has recently been carried out by Dr. Glasspoole*, who took the opportunity of using the additional records which had become available. The method used to obtain the values is set out in some detail in the paper already mentioned and it is only necessary here to give the annual values as the best estimates available, with the following caution. " The values back to 1820, i.e. for over 100 years, are well supported, those for the preceding 50 years, although less reliable, are based on at least six records, and the earlier values, while necessarily even less reliable, are based on at least two records which support each other."

General Rainfall over England 1727 *to* 1927.
(as per cent. of Average, 1881 to 1915).

Year.	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810
	%	%	%	%	%	%	%	%	%	%
0	—	85	77	75	100	107	78	91	95	98
1	—	66	67	116	96	79	86	104	99	97
2	—	94	80	95	89	111	121	123	89	102
3	—	84	69	100	123	112	99	87	85	91
4	—	116	100	85	107	105	95	101	94	99
5	—	101	103	97	88	111	82	90	86	97
6	—	109	92	106	87	98	96	88	103	106
7	103	96	104	98	99	96	102	111	90	102
8	112	77	87	100	136	102	69	89	91	104
9	102	103	90	91	91	94	118	107	99	104
Total	—	931	869	963	1016	1015	946	991	931	1000

* *Two Centuries of Rain*, by J. Glasspoole. *The Meteorological Magazine.* Vol. 63, 1928, pp. 1–6.

Year.	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920
	%	%	%	%	%	%	%	%	%	%	%
0	91	111	89	92	122	81	115	90	109	113	105
1	112	114	124	88	93	97	110	111	87	93	69
2	98	98	95	137	106	144	127	95	84	126	106
3	114	105	109	100	91	89	108	83	128	96	112
4	117	90	86	77	78	93	86	108	88	108	120
5	96	99	97	87	107	116	102	96	86	112	107
6	84	114	106	94	114	118	117	94	101	115	102
7	103	88	96	97	100	125	74	100	99	99	124
8	118	91	129	81	99	111	98	86	90	106	—
9	102	115	98	102	104	110	95	94	106	105	—
Total ..	1035	1025	1029	955	1014	1084	1032	957	978	1073	—

OBITUARY.—Reports have been received during the twelve months, 1st July, 1927, to 30th June, 1928, of the death of 65 observers who have contributed to various volumes of *British Rainfall*. As usual a considerable number of these observers have forwarded their observations for long periods, and it is this pronounced characteristic which renders relatively easy the task of collecting rainfall data from voluntary observers all over the country. It is broadly true to say that once he has set up a rain-gauge and commenced regular observations, an observer finds a peculiar fascination in the daily measurements which ensures their maintenance unimpaired.

Of the 65 observers referred to, no fewer than 19 have kept records which have a complete duration of more than 30 years. A list of these is given below. In most cases the records have been maintained throughout by the same observer.

Name.	Last place of observation.	No. of years' record.
A. B. Collingwood, J.P. ..	Ilderton, Northumberland ..	70
Mrs. J. Coxon	Pocklington, Yorks.	61
John Campbell	Mickleover, Derby	57
C. Atkinson, C. E.	Brigg, Lincs.	55
W. H. Plowright	Swaffham, Norfolk	49
W. D. W. Griffith	Trefnant, Denbigh	45
Sir J. T. Dillwyn-Llewelyn, Bart.	Gorseinon, Glam.	44
H. Neale	Bognor, Sussex	44
G. P. Hope	Torquay, S. Devon	41
Alex. Crossman	Harrow Weald, Middlesex ..	40
Rev. J. B. Orme	Arundel, Sussex	39
W. B. Parsons	Cambridge	39
E. H. Cannon	Rathmines, Co. Dublin ..	37
Mrs. Heywood Thompson ..	Penrith, Cumberland	37
J. G. Winning	Hawick, Roxburgh	37
J. Ernest Grubb	Carrick-on-Suir, Co. Waterford	34
G. E. Wilson	Kidderminster, Worcestershire	34
Col. H. Jones Williams	Tal-y-bont, Brecon	33
J. E. Townsend	Bury St. Edmunds, Suffolk ..	31

MR. WILLIAM HENRY DINES, F.R.S., died on 24th December, 1927, aged 72, at his residence at Benson, Oxfordshire. He was educated at Cambridge, and his name appeared in the Mathematical Tripos list of 1881 as a wrangler. Shortly afterwards he became a Fellow of the Royal Meteorological Society, and thereafter he devoted himself almost entirely to the prosecution of meteorological research. The success which he obtained is remarkable, and is such that his reputation in meteorological science is world-wide.

At first he applied himself to the subject of anemometry, and became the most active member of the Wind Force Committee of the Royal Meteorological Society. Three of the most important results of this investigation were: (1) to show that the accepted "factor" of the Robinson Cup anemometer was too high by about 25 per cent.; (2) to show that the formula for computing wind pressures on buildings gave results which were too high by about 40 per cent.; and (3) the invention of the instrument known as the Dines pressure-tube anemometer, now the standard type of anemometer used in this country.

In 1901 he became President of the Royal Meteorological Society and shortly afterwards he commenced his work on the investigation of the upper air by which he is probably best known. In this work he had to commence at the very beginning. He designed the instruments which were required, used them to obtain the necessary observations, and, later on, he discussed the observations and correlated them with conditions at the surface. In these varied departments of activity he worked for the most part on his own initiative and he was uniformly successful in all of them. Recognizing the great value of his work, the Meteorological Office from time to time gave grants in aid of his investigations, and after 1905 the "honorarium" from the Office became an annual one. Mr. Dines was, however, left free to pursue the work in his own way. In recent years, after the headquarters of the investigation of the upper air were transferred from Benson to Kew, Mr. Dines interested himself in problems of radiation, in which domain he again exercised in combination his remarkable powers of instrument designing, observation and discussion of results.

Among the numerous instruments which he designed in addition to those already referred to, was a remarkable self-recording rain-gauge, which overcame the difficulties connected with the failure of automatic syphons in a characteristically ingenious way. An example of the instrument is in use at one of the observatories of the Meteorological Office, and the instrument deserves to receive more general recognition than has hitherto been accorded to it.

Mr. Dines became a Fellow of the Royal Society in 1905. In spite of the claims of his important research work, Mr. Dines took care to maintain a continuous daily record of rainfall and temperature and was a regular contributor to the General Table of *British Rainfall*.

MR. HENRY ELLIS died at Boat Close, Lyme Regis, on 26th September, 1927. His rainfall record began at Potters Bar in 1899. On his removal to Lyme Regis, in 1914, he became much interested in anemometry, and erected at his house a recording anemometer, summaries of the records of which were published for many years in the *Monthly Weather Report.*

MR. WILFRED IRWIN, of Cockermouth, died in Palestine on 11th April, 1928, where he had gone in connection with the scheme for the utilisation of the salts of the Dead Sea. He contributed an article on " The Presence and Distribution of Salt in the Air of this Country " in *British Rainfall,* 1920. Of recent years he was interested in the effect of the colour of a rain-gauge on the catch. It appears now to be established that a white rain-gauge will retain rather more rain than a black gauge, especially in summer. The effect is small and difficult to disentangle from other effects. It is apparently the result of the difference in the absorbing powers for solar radiation of black and white bodies. He was a member of the Society of Friends.

MR. JAMES GEORGE WOOD, Barrister-at-law, and Bencher of Lincoln's Inn, died on 11th January, 1928, aged eighty-four. Mr. Wood was, so far as is known, the last remaining survivor of those rainfall observers who became associated with Mr. G. J. Symons, the founder of the British Rainfall Organisation, in the first volume of *British Rainfall* for 1860–61. In that volume his name appears as observer at Chepstow. He was a great friend of Mr. Symons, and after Symons's death in 1900, he maintained close touch with the Organization up to recent times. In 1910 he became one of the Trustees of the Organization, and assisted in drawing up the Trust Deed, under which the Trustees held for the common good, the Endowment Fund, the house at 62, Camden Square, which contained the Office of the Organization and the collection of rainfall records which had been accumulated. Later in 1919 he helped to prepare the legal instrument by which the work and records of the Organization were transferred to the Government, and in 1922 he again advised in regard to the winding up of the Trusteeship, when the house at Camden Square and the residue of the funds were handed over to the Royal Meteorological Society.

Mr. Wood had a distinguished career at Cambridge, where he was Chancellor's medallist for legal studies in 1868. He was also a member of the university boat.

BRITISH RAINFALL, 1927

PART II

RAINFALL AND METEOROLOGY

OF

1927

1. A BRIEF SUMMARY OF THE RAINFALL OF THE YEAR, 1927.

The rainfall of the year 1927 over the British Isles as a whole was in excess of the average for the fifth successive year. The year 1927 with 118 per cent. of the average was slightly wetter than 1924 and it was therefore the wettest year since 1903. In fact, since comparable statistics became available in 1868, there have been only four wetter years, viz., 1872, 1877, 1882 and 1903 when the general percentage values were 137, 127, 120 and 127 respectively. The year 1927 was therefore the fifth wettest during a period of 60 years. The annual general values for the countries are set out below, starting from the very dry year 1921 :—

Annual Rainfall as per cent. of Average, 1881–1915.

	1921	1922	1923	1924	1925	1926	1927
	%	%	%	%	%	%	%
England and Wales	70	105	113	120	106	102	123
Scotland	99	94	120	105	100	111	114
Ireland	88	92	110	122	99	100	108
British Isles	82	100	114	117	104	103	118

Since 1906, *i.e.*, during the last 22 years, only six years have been drier than the average. The wet years have so predominated that we have received in the 22 years a rainfall appropriate to 23 years. During the early part of this period the excesses were contributed more especially by wet winters, but of more recent years the summers have been unusually wet.

The abnormal character of the recent run of wet years is also brought out by the statistics of the annual number of rain-days over the country generally. During the last 10 years the mean annual number of rain-days is as many as 10 in excess of the 35 years' average, which represents an accumulation of 100 rain-days in excess of the average.

Owing to the widespread lament about the dismal summer of 1927 the precise statistics of the rainfall of that season are perhaps of greatest interest. Over the country generally the summer six months

as a whole, were not as wet as those of 1924 or 1879. Yet in each month except May the rainfall was considerably in excess of the average. September with a rainfall of twice the average was the wettest month of the year. It was, however, not nearly as wet as September, 1918.

Among the outstanding features of the rainfall of the summer were the persistent rains of June, the intense thunderstorm rains of July (giving as much as 4 inches at Farnham on the 10th, and at Wolverhampton and Oldham on the 11th) and the steady rain of August Bank holiday, which although small in amount was sufficiently sustained in the south-east of England to prevent any outdoor recreation on that day.

Of the other months of the year the rainfall distribution in December was of particular interest, since there was a complete reversal of the usual state of affairs. The fall in the south-east of England during December was greater than that either in the English Lake District or in the Western Highlands of Scotland. The large fall in London and the south-east of England generally, was contributed partly by the remarkable snowstorms about Christmas. No considerable amounts of snow occurred in the more northerly areas where snow is usually of a much more frequent occurrence. A large part of the Western Highlands of Scotland received less than 10 per cent. of the average precipitation and the month in that region was not only the driest December on record but the driest month of any name.

Having regard to the wetness of 1927 over the country as a whole, the largest daily, monthly and annual totals at individual stations were not as remarkable as might have been expected. The largest daily fall of 6.00 inches was recorded at Blaenau Festiniog, the largest monthly total was recorded on Snowdon and was just short of 28 inches, the largest annual total, also recorded on Snowdon, was just short of 200 inches. The number of wet-spells recorded during the year was actually less than the average. These features of the rainfall of 1927 are the natural result of a very wet summer and a winter at times unusually dry. The summer rainfall in the average year is appreciably less than that of the winter. The wet summer of 1927 did not contribute large totals at individual stations at all comparable with those contributed by years with wet winters. The result of the dry December was not only to diminish very materially the number of wet spells, but actually to give a number of dry spells. These dry spells which occurred both at the beginning and end of 1927 were most unusual.

2. THE DISTRIBUTION OF RAINFALL IN TIME.
THE NUMBER OF RAIN-DAYS AND WET-DAYS IN 1927.

At the great majority of the stations from which rainfall returns are received the rain is measured once a day, and this discussion on the distribution in time is based on these daily measurements. There are some inaccessible stations, usually in wet areas, where it is only practicable to measure the rainfall once a week or once a month. The number of days with rain can therefore be defined with greater precision in the dry districts than in the wet districts.

The following definitions have been used in *British Rainfall* in order to obtain a homogeneous series of statistics :—

A *rain-day* is a period of 24 hours, commencing normally at 9 a.m. on which ·01 inch, or 0·2 mm. or more of rain is recorded.

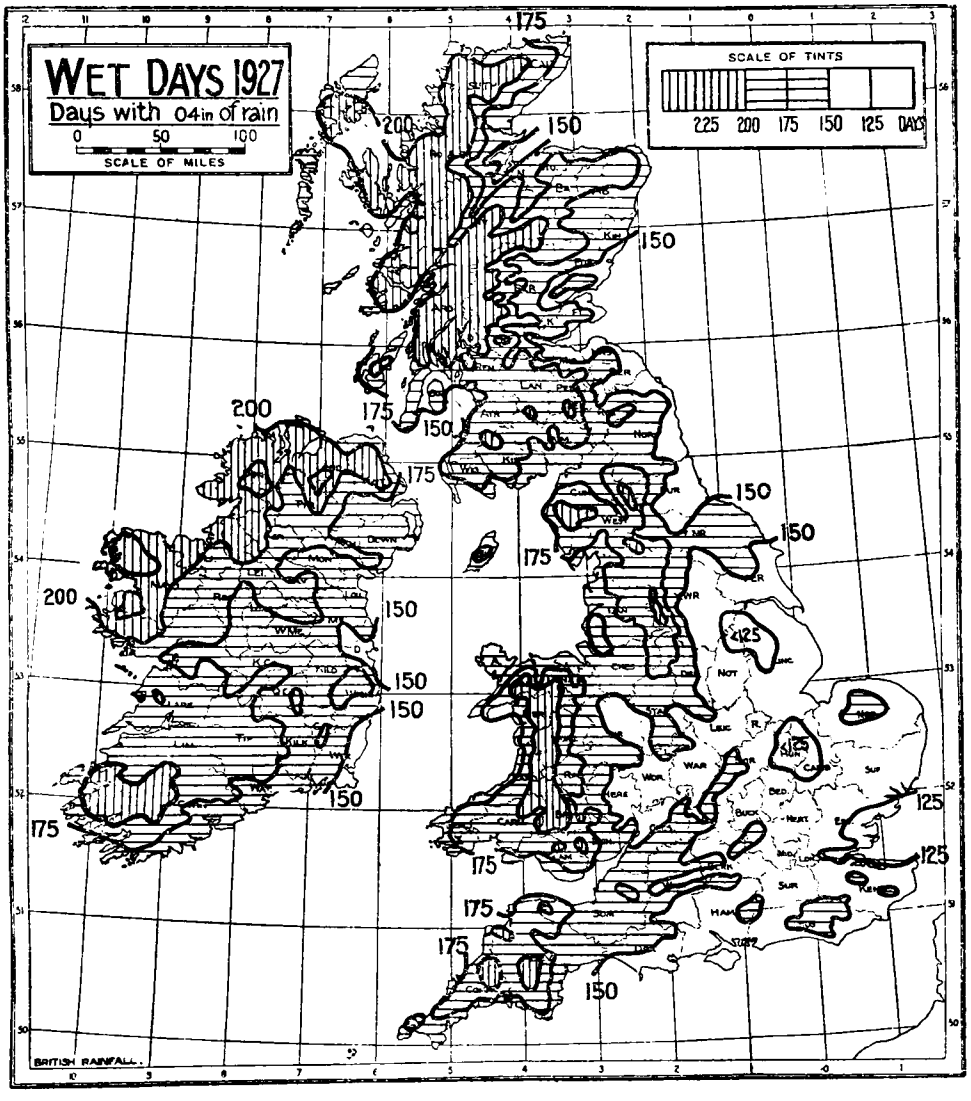
A *wet-day* is a period of 24 hours, commencing normally at 9 a.m. on which ·04 inch, or 1·0 mm. or more of rain is recorded.

The former definition dates back to the year 1865, the latter was adopted only 11 years ago. Each of the terms " rain-day " and " wet-day " is open to criticism, the latter particularly so, since it has a different meaning in ordinary use. It must, therefore, be understood that whenever these terms are used in this publication the meanings set out above are always to be attached to them.

For reasons which are set out in detail in the article entitled " The distribution over the British Isles in time and space of the annual number of days with rain," in *British Rainfall*, 1926, there is frequently a lack of harmony in the annual values from adjacent stations. In fact, the observed differences are sometimes so much greater than that of any other climatic factor, that there is little doubt that some of the individual values are incorrect. Statistics of wet-days were found to be much more consistent. It was this reason, coupled with the

fact that similar data are published for certain other countries of Europe, which led to the introduction of statistics of wet-days.

Latterly, however, attention has been redirected to the improvement of the statistics of rain-days. A new taper measure has been adopted as the standard by the Meteorological Office, and new regulations for reporting small quantities of rain have been brought into use. These matters were dealt with in detail in *British Rainfall,* 1925, pp. xvi and 5–6.



Number of "Wet Days" in 1927.

Information as to the number of rain-days and wet-days during the year is set out in this section in various forms. As usual, the General Table of rainfall in Part III of this volume shows the number of rain-days and wet-days in 1927 as reported from each station at which daily observations were made. The numbers of wet-days have

been plotted on a large map of which the illustration on p. 5 is a reduced copy. The distribution of the numbers over the country is shown on the map in the usual manner by lines drawn through the positions of stations which reported specified numbers of wet-days.

In order to study the distribution of rain-days and wet-days throughout the year, 100 stations have been selected to represent as uniformly as possible the conditions over the whole of the British Isles, and the numbers of rain-days and wet-days for each month as well as for the whole year have been extracted from the returns from these stations and printed in Table IV. Monthly general numbers (for England and Wales, Scotland, Ireland and for the British Isles) have been worked from these data and they are shown in the table in heavy type. The annual mean values for 1927 are shown again in Tables I and II, where they can be readily compared with similar values for the intervening years from 1917; and, in the case of rain-days, with the averages. Table III contains a conspectus of the general monthly number of wet-days for the British Isles, from 1917.

Some indication of the amount of rain required to give a reading of ·01 and ·04 inch can be given by referring to the average rate of rain at London and Seathwaite in the English Lake District. When it is raining, ·01 inch falls on the average in 10 minutes in London and in 5 minutes at Seathwaite. The larger amount, ·04 inch, represents three-quarters of an hour of continuous rain at London, and 20 minutes at Seathwaite. While both rain-days and wet-days include therefore many days with too little rain to be of importance for many practical purposes, each day considered in this section receives a precipitation which if concentrated into a few minutes of the day would be quite appreciable. Some of the days included as rain-days and wet-days naturally receive a large amount of rainfall; at London 1 inch or more is recorded on the average on one day a year, while at Seathwaite that amount falls on about 45 days each year.

The distribution shown on the map of the annual number of wet-days is very similar to that of other years. The range is from rather less than 125 days in the neighbourhood of the Thames Estuary and in part of the Fen District, to rather more than 225 days in the mountains of Connemara, Donegal and Londonderry. As many as 200 to 225 wet-days occurred during the year in parts of Central Wales, in Snowdonia, the English Lake District and the Western Highlands of Scotland. The general values, given in Table II, indicate that the frequency of wet-days was most noteworthy in England and Wales, since over that area only one year 1923, out of the last 10 years, gave a larger value. Over both Scotland and Ireland there were 4 years with as many or more wet-days. The number of wet-days over the British Isles generally in each month is given in Table III. The months with fewest wet-days in 1927 were May with 8 and December

with 10 (the same as in 1926), while the months with the greatest number of wet-days were January with 19 and March, August and September with 17. Perhaps the most striking contrast in the general number of wet-days given in Table IV for the individual countries is between December with only 8 wet-days in Scotland and August with as many as 17 wet-days over England and Wales. Usually, of course, December has more wet-days than August and Scotland more wet-days than England and Wales.

In dealing with the general numbers of rain-days, given in Table IV, it is possible to compare the values for 1927 with computed averages for the 35 years, 1881 to 1915. It is shown in Table I that over the British Isles as a whole there were 223 rain-days or 19 more than the average number. Over England and Wales the value of 208 days was 20 more than the average, and the largest number since 1881, with the exceptions of 1882, 1903, 1912 and 1923, when the general numbers were 211, 212, 210 and 216 respectively. (See *British Rainfall*, 1926, p. 268.)

Table I also demonstrates the recent run of years with rain-days in excess of the average. In fact, during the last 10 years the mean annual number of rain-days is as many as eleven in excess of the 35 years' average even although the very dry year 1921 is included. Such a large departure from the average, which represents an accumulation of 106 rain-days in excess of the average, is unusual. In other words, judging from all the records at our disposal the frequency of rain-days during the last 10 years must not be regarded as the normal state of affairs, and a return to more normal conditions in the future can be confidently anticipated.

Since *British Rainfall*, 1926, was published the general monthly numbers of rain-days for the period 1881–1915 have been evaluated.* These are set out below for reference, together with the values for 1927 in the case of the British Isles.

General Number of Rain-days, 1881–1915.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
England & Wales	18	15	16	14	14	13	14	16	13	18	18	19	188
Scotland	20	18	19	16	16	15	18	19	17	19	19	21	217
Ireland	20	18	19	17	16	15	18	19	17	19	20	22	220
British Isles	19	17	18	15	15	14	16	17	15	19	19	20	204

General Number of Rain-days, 1927.

British Isles	23	16	21	18	12	20	18	21	22	17	21	14	223

* Published in an article on *The Distribution over the British Isles of the average number of days with rain during each month of the year.* Q.J.R. Meteor. Soc. Vol. 54, 1928.

There was therefore less than the average number of rain-days in 1927 only in February, May, October and December, and the number was markedly less only in December when there were 14 instead of 20. The months with the largest excesses of rain-days were January, June, August and September. The number of rain-days was in excess of the average in the four summer months, June, July, August and September, and this is in accord with the popular description of the year as one " with a dismal summer."

There is no instance in Table IV of a month passing without a single wet-day. The smallest numbers of rain-days shown in the table for any month are 2 at Bendamph on Loch Torridon in Ross-shire, and 4 at Lairg in Sutherlandshire, both in December. This is a striking reversal of the usual state of affairs for in that month London, where rain is usually very much less frequent than either of these places, recorded rain (or snow) on 11 days. Even Keswick, in the English Lake District, recorded rain in that month on fewer days than London, even although the number at the latter place was 5 less than the average for the month. Rain fell on every day in the month at Valentia Observatory in the extreme south-west of Ireland, and at Killybegs in Co. Donegal during January, and also at Stornoway in the Outer Hebrides during April. The greatest number of wet-days in any month was 30, recorded in January at Portree in the Isle of Skye, at Ballynahinch and Mallarany in Connemara and at Killybegs in Co. Donegal.

Table I.—*General Number of Days with* ·01 *in. or more,* 1917–1927, *compared with Average,* 1881–1915†.

Year.	England and Wales. Average 188.			Scotland. Average 217.			Ireland. Average 220.			British Isles. Average 204.		
	Rain Days.	Diff. from Aver.	Per cent. of Aver.	Rain Days.	Diff. from Aver.	Per cent. of Aver.	Rain Days.	Diff. from Aver.	Per cent. of Aver.	Rain Days.	Diff. from Aver.	Per cent. of Aver.
1917	185	— 3	98	217	0	100	224	+ 4	102	203	— 1	100
1918	200	+ 12	106	226	+ 9	104	227	+ 7	103	214	+ 10	105
1919	191	+ 3	102	214	— 3	99	213	— 7	97	203	— 1	100
1920	203	+ 15	108	232	+ 15	107	243	+ 23	110	220	+ 16	108
1921	158	— 30	84	224	+ 7	103	217	— 3	99	190	— 14	93
1922	196	+ 8	104	234	+ 17	108	226	+ 6	103	214	+ 10	105
1923	216	+ 28	115	257	+ 40	118	253	+ 33	115	236	+ 32	116
1924	202	+ 14	107	237	+ 20	109	248	+ 28	113	223	+ 19	109
1925	192	+ 4	102	231	+ 14	106	230	+ 10	105	212	+ 8	104
1926	192	+ 4	102	234	+ 17	108	226	+ 6	103	211	+ 7	103
1927	208	+ 20	111	233	+ 16	107	238	+ 18	108	223	+ 19	109

† The averages for the period 1881–1915 are based on the records from about 100 stations distributed as evenly as possible over the country. The selection of stations is described in an article in *British Rainfall*, 1926, p. 267, and the general number of rain-days in each year from 1881 will be found in Table I of that article.

Table II.—*General Number of Wet-days* (*Days with* ·04 *in. or more*). *in* 1917 *to* 1927.

	England and Wales.	Scotland.	Ireland.	British Isles.
1917.. ..	134	174	176	155
1918.. ..	150	182	188	168
1919.. ..	143	172	171	158
1920.. ..	151	185	197	171
1921.. ..	110	177	166	142
1922.. ..	146	181	178	163
1923.. ..	159	206	198	182
1924.. ..	154	184	199	173
1925.. ..	143	179	180	162
1926.. ..	141	184	173	161
1927.. ..	156	184	185	171

Table III.—*General Number of Wet-days* (*Days with* ·04 *in. or more*) *in* 1917 *to* 1927, *British Isles.*

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1917 ..	11	8	14	13	10	10	9	20	12	21	15	12	155
1918 ..	15	17	9	9	10	9	15	12	22	16	13	21	168
1919 ..	19	9	15	14	8	12	8	12	13	11	15	22	158
1920 ..	20	13	17	19	15	10	19	9	13	9	12	15	171
1921 ..	20	5	17	8	13	5	10	15	7	12	12	18	142
1922 ..	20	16	13	14	9	11	16	15	13	8	11	17	163
1923 ..	15	20	11	13	14	8	13	17	16	21	16	18	182
1924 ..	17	9	7	12	19	13	17	18	16	15	12	18	173
1925 ..	14	19	11	15	18	3	12	13	15	14	12	16	162
1926 ..	20	15	9	12	15	11	11	13	12	14	19	10	161
1927 ..	19	13	17	13	8	16	13	17	17	13	15	10	171

Table IV.—*Number of "Rain-days" (·01 in. or more) and of "Wet-days" (·04 in. or more) in* 1927.

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Total Rainfall.
ENGLAND AND WALES.															in.
London 2	St. Pancras (Camden Square)	17 12	14 13	17 12	14 7	10 6	16 15	17 12	21 19	16 14	14 7	15 9	11 10	182 136	33·84
Kent 2	Lympne Aerodrome	22 17	15 13	18 15	12 8	7 3	18 17	18 14	20 16	15 9	12 5	18 12	12 8	187 137	39·16
Sussex 3	Patcham (Brighton W.W.) ..	24 19	14 13	18 14	12 9	10 6	15 14	18 14	20 16	16 15	12 9	19 13	12 10	190 152	44·93
Hampshire .1	Ventnor (Royal National Hos.)	23 13	14 13	19 13	10 8	7 5	16 13	18 12	15 11	19 17	12 7	16 11	15 11	184 134	37·61
Hampshire .7	Selborne (The Wakes)	25 17	16 13	20 17	12 9	13 9	17 12	23 15	22 16	20 14	15 10	16 10	13 11	212 153	47·04
Berkshire ..5	Upton (Manor House)	20 13	16 13	22 17	14 9	11 8	18 15	20 12	22 18	16 12	14 9	22 12	13 9	208 147	34·66
Northants..4	Wellingborough (Swanspool)	15 9	14 13	17 14	12 10	7 7	18 15	19 11	20 17	19 13	16 13	19 13	15 10	191 145	32·02
Northants..4	Eye (Northolm).....	17 9	15 11	15 9	14 10	9 4	19 14	20 7	18 15	19 13	18 10	22 14	14 7	200 123	26·12
Cambridge .2	Cambridge (Botanic Gardens)	13 8	14 12	16 9	14 9	5 4	18 14	15 8	18 13	18 10	14 7	14 11	11 9	170 114	24·48
Essex.....3	Great Wakering.....	13 10	15 12	15 9	12 7	10 7	14 13	13 9	19 13	14 8	10 6	16 10	13 9	164 113	25·08
Suffolk 2	Haughley (Haughley House).	14 8	14 12	16 12	15 13	6 3	22 19	16 12	16 15	17 12	12 7	17 11	14 8	179 132	26·65
Norfolk 1	Beccles (Geldeston)	17 8	13 13	15 11	15 10	8 4	22 18	19 10	16 10	19 15	13 11	17 15	14 12	188 137	28·17
Norfolk....4	Sporle	21 14	17 11	20 15	17 12	11 10	21 16	21 9	19 11	23 16	22 11	26 18	18 8	236 151	34·33
Wiltshire...3	Larkhill (Sch. of Artillery) ...	22 13	15 13	22 17	14 8	11 4	17 12	16 14	20 17	18 16	14 7	14 10	11 9	194 140	34·29
Dorsetshire..3	Dorchester (Wollaston House)	24 17	17 12	22 17	10 9	8 5	13 11	14 12	21 16	22 18	14 10	20 12	15 13	200 152	44·74
SouthDevon 2	Launceston (Polapit Tamar)	28 23	17 12	23 19	16 12	9 8	19 15	25 17	19 17	24 22	16 13	22 19	14 12	232 189	49·19
SouthDevon 4	Holne (Church Park Cottage)	24 22	15 14	23 21	14 11	9 6	18 13	17 14	20 17	24 21	14 13	21 17	20 16	219 185	72·86
NorthDevon 2	Barnstaple (N.Dev.Athenæum)	28 21	21 14	22 17	15 9	9 6	17 10	22 18	21 19	26 22	19 11	24 19	15 12	239 178	43·13
Cornwall ...2	St. Austell (Trevarna)	30 24	15 12	24 22	17 12	8 5	16 15	20 16	21 15	24 23	15 13	20 17	17 14	227 188	51·26
Somerset ..1	Bath (Henrietta Park)	19 12	15 13	23 16	12 10	11 6	20 14	22 16	22 18	20 16	14 9	17 13	13 11	208 154	38·57
Somerset ..3	Angersleigh (Leigh Court) ...	23 18	17 14	22 17	15 9	10 6	18 11	17 14	21 18	22 18	17 10	18 15	16 9	216 159	41·97
Gloucester..4	Mickleton (Bank House)	19 12	15 12	19 13	12 9	12 7	21 16	16 9	20 16	18 15	15 6	18 11	11 8	196 134	30·55
Hereford ..1	Ross (Birchlea)	18 14	17 13	19 13	13 8	11 8	21 15	18 15	22 18	22 15	19 10	16 9	13 9	209 147	36·22
Shropshire .3	Bishops Castle (Castle St.).	21 18	12 11	23 18	16 11	11 7	22 16	16 12	22 19	21 17	15 12	17 13	15 9	211 163	37·03
Shropshire .4	Shifnal (Hatton Grange)	15 12	13 9	21 18	14 9	13 9	23 19	20 13	21 16	17 13	13 9	17 11	9 6	196 144	29·34

Table IV.—*Number of "Rain-days" (·01 in. or more) and of "Wet-days" (·04 in. or more) in 1927.—(con.).*

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Total Rainfall.
ENGLAND AND WALES—(*con.*)															
Staffs. 5	Ashbourne (Mayfield House).	23 19	13 11	20 15	16 14	11 9	23 17	17 12	21 15	19 18	19 12	16 10	13 7	211 159	38·90
Leicester ..4	Leicester (Stoughton Drive)..	18 14	12 12	18 15	11 9	10 7	22 17	14 9	19 14	15 12	17 8	17 13	10 7	183 137	30·35
Lincoln 3	Horncastle	15 8	14 11	18 12	16 13	7 6	17 13	15 10	18 13	17 12	19 8	16 15	16 10	188 131	29·07
Nottingham 5	Worksop (Hodsock Priory)..	21 9	15 11	18 12	14 10	12 4	17 11	18 10	20 14	17 15	20 9	19 9	13 7	204 121	27·51
Cheshire ...2	Northwich (Hunts Lock)	25 19	13 10	18 15	19 14	13 9	19 14	22 14	21 19	22 17	18 13	18 11	9 6	217 161	35·31
NorthLancs.5	Blackpool (Met. Observatory)	24 18	15 11	20 17	16 10	11 8	14 9	15 12	19 19	21 17	16 14	20 14	12 6	203 155	36·92
Yorks.W.R. 8	Meltham (Harewood Lodge).	26 24	14 10	22 15	20 17	13 8	20 16	19 12	22 20	24 19	22 15	23 18	14 8	239 182	47·87
Yorks. E.R. 3	Hull (Pearson Park)	23 14	15 9	18 10	19 14	15 5	18 12	12 11	21 15	21 14	21 10	22 15	18 10	223 139	29·87
Yorks. E.R. 4	Filey Vicarage	24 16	15 11	18 12	16 13	13 7	17 15	17 12	20 14	19 15	24 14	22 16	15 8	220 153	29·05
Yorks. N.R. 1	West Witton (Ivy House)...	24 15	13 10	21 14	20 14	13 8	17 14	18 16	20 18	20 17	18 15	23 15	17 12	224 168	43·11
Yorks. N.R. 2	Felixkirk (Mount St. John)..	23 16	14 9	21 15	17 11	14 9	17 13	17 13	20 19	22 16	19 12	25 15	17 11	226 159	36·07
Durham ...2	Sunderland (W. Hendon Ho.)	13 10	13 9	21 14	12 8	13 10	19 12	12 10	21 19	20 10	17 11	20 17	20 12	201 142	34·07
North'land .6	Ilderton(LilburnTower Gdns.)	18 11	16 9	20 17	12 8	9 7	18 16	12 10	17 16	16 13	16 11	22 17	18 15	194 150	35·63
Cumberland 1	Geltsdale	27 21	19 12	21 17	23 15	15 9	24 18	17 11	24 20	25 19	20 13	22 16	12 7	249 178	43·76
Westm'land 2	Grasmere (The Wray)	28 25	18 14	26 20	20 16	14 11	21 14	21 18	25 23	24 19	19 17	22 16	14 7	252 200	100·65
Glamorgan .6	Treherbert (Tyn-y-waun)....	27 23	16 14	26 21	14 12	11 9	20 16	28 24	24 23	24 20	14 13	22 18	18 14	244 207	103·30
Carmarthen 2	Carmarthen (The Friary) ...	23 19	16 14	23 19	12 11	9 8	16 14	22 21	24 21	25 21	13 11	21 19	13 13	217 191	54·47
Pembroke..4	Haverfordwest (Portfield) ...	27 21	17 14	21 17	13 8	10 6	13 12	21 19	22 19	24 21	17 13	21 18	13 11	219 179	46·99
Cardigan ..3	Lampeter (Falcondale)	28 20	15 12	22 16	13 11	10 9	19 17	21 19	23 23	23 20	15 15	18 16	12 9	219 187	56·77
Denbigh ...2	Denbigh (Garn)	25 18	14 10	20 18	21 17	11 8	18 16	20 14	21 20	23 20	19 16	20 16	8 5	220 178	41·31
Merioneth..4	Dolgelly (Bryntirion)	27 23	16 10	21 21	18 13	12 10	21 20	24 22	24 23	22 20	18 16	19 14	12 10	234 202	73·05
Anglesey....	Llanerchymedd (Ll'diarth Es.)	20 19	13 10	23 20	17 11	8 5	14 10	17 14	22 21	22 18	16 14	24 20	10 8	206 170	43·90
England and Wales	**(Mean of 47 Stations)**.....	**22 16**	**15 12**	**20 15**	**15 11**	**10 7**	**18 14**	**18 13**	**21 17**	**20 16**	**16 11**	**19 14**	**14 10**	**208 156**	**41·73**

Table IV.—*Number of "Rain-days" (·01 in. or more) and of "Wet-days" (·04 in. or more) in* 1927.—(*con.*).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Total Rainfall.
ISLE OF MAN.															in.
Isle of Man..	Douglas (Borough Cemetery).	22 18	18 15	20 18	15 10	11 8	19 15	18 14	22 13	23 21	17 13	22 17	13 10	220 172	48·44
CHANNEL ISLANDS.															
Guernsey...	St. Peter Port (Grange Road)	27 21	14 11	25 20	13 10	5 5	16 12	18 12	19 12	21 21	13 8	22 18	15 10	208 160	40·27
SCOTLAND.															
Wigtown ..3	Stoneykirk (Ardwell House)..	27 20	18 13	23 16	20 14	11 8	21 14	19 16	22 14	22 19	16 14	22 16	7 5	228 169	42·74
Dumfries ..3	Dumfries (Crichton Inst.) ..	23 18	15 12	18 14	18 10	12 6	18 13	22 18	22 18	21 16	17 9	17 11	9 6	212 151	45·58
Selkirk.....2	Ettrick Manse	27 23	16 12	23 18	23 17	12 10	20 17	19 17	24 21	24 20	19 16	24 20	13 9	244 200	65·14
Berwick....4	Duns Castle	23 12	14 8	20 15	20 12	14 9	20 14	15 10	21 14	18 13	15 12	24 16	20 13	224 148	37·34
Linlithgow .2	Linlithgow Academy	25 21	20 14	27 15	22 10	18 6	18 11	15 10	23 18	24 16	19 12	19 13	13 5	243 151	40·69
Lanarkshire 5	Strathaven (Dungavel).....	28 27	16 13	20 17	25 22	12 11	20 19	18 13	24 23	22 19	18 16	19 17	9 8	231 205	67·07
Ayrshire ...6	Turnberry (Hotel)	26 21	13 11	18 17	15 12	11 9	18 12	17 11	22 14	18 13	14 12	14 10	5 4	191 146	34·30
Renfrew ...3	Greenock (Prospect Hill)	27 25	16 13	23 17	24 18	14 12	23 19	21 18	24 19	23 20	18 13	25 16	15 6	253 196	70·59
Buteshire ..3	Dougarie Lodge	29 22	18 14	23 19	20 16	13 9	21 16	16 16	19 17	22 19	19 17	21 16	12 8	233 189	49·77
Argyllshire .6	Dalmally (Manse of Glenorchy)	28 28	17 14	23 21	27 22	15 13	20 19	19 16	22 21	21 18	19 17	24 18	10 6	245 213	84·42
Argyllshire 14	Islay (Eallabus)	28 24	22 20	22 18	21 14	11 10	20 16	18 13	20 16	24 20	20 20	25 21	13 10	244 202	53·43
Argyllshire 14	Mull (Gruline)	30 27	22 16	25 19	28 26	12 12	23 19	24 15	25 20	25 20	22 18	28 25	13 9	277 226	73·58
Argyllshire 14	Tiree (Cornaigmore Sch.)....	29 23	19 16	18 16	24 17	11 10	21 16	18 13	18 15	22 19	20 16	27 20	10 8	237 189	43·70
Fifeshire ...3	Leuchars (Seaplane Station).	18 14	14 7	20 12	12 8	11 8	14 9	12 11	21 14	18 16	15 11	19 12	17 11	191 133	29·48
Perthshire.11	Aberfeldy (Dall Avon)	21 17	16 9	21 13	21 15	13 7	19 12	17 14	25 20	20 14	18 12	18 15	14 9	223 157	42·72
Kincardine .3	Banchory (Invercannie)	15 9	12 10	19 13	23 11	22 13	24 18	14 9	23 16	20 14	16 13	20 17	22 15	230 158	33·78
Aberdeen ..1	Balmoral (Castle Gardens)...	23 14	17 8	21 13	24 17	25 15	25 17	20 10	23 15	26 17	18 16	24 18	18 15	264 175	38·82
Aberdeen ..4	Peterhead (Forehill Works)..	18 13	17 12	19 11	27 22	22 17	19 15	11 9	12 5	22 18	21 19	22 19	24 14	234 174	35·65
Morayshire .2	Gordon Castle	18 13	16 10	16 13	24 20	17 14	25 17	9 8	15 11	25 21	21 16	24 14	12 10	222 167	34·47
Inverness ..3	Cluny Castle.....	26 22	17 13	22 15	27 24	17 11	22 17	19 14	21 14	23 17	20 18	27 19	11 5	252 189	44·10
Inverness .17	Fort William	28 27	18 17	22 17	27 23	17 12	20 16	20 15	23 20	26 19	21 16	23 18	8 3	253 203	76·04

Table IV.—*Number of "Rain-days" (·01 in. or more) and of "Wet-days" (·04 in. or more) in* 1927.—*(con.).*

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Total Rain-fall.
SCOTLAND —*(con.)*.															in.
Inverness .18	Skye (Portree)	30 30	18 15	21 18	29 28	16 13	23 20	17 16	25 19	24 22	23 19	26 20	6 4	258 224	72·60
R'&Cromarty3	Fortrose	23 14	14 9	11 7	22 16	17 10	23 14	10 9	14 31	22 18	20 16	19 12	6 5	201 143	27·83
R'&Cromarty8	Loch Torridon (Bendamph) ..	29 29	16 15	17 16	28 28	13 13	22 21	13 12	19 19	23 23	20 20	21 21	2 2	223 219	83·63
R'&Cr'm'rty10	Stornoway	30 27	14 10	21 15	30 24	19 12	23 21	20 12	17 12	27 20	21 19	25 19	14 7	261 198	51·03
Sutherland .1	Lairg	21 20	16 12	20 12	29 25	21 11	25 18	9 9	11 6	23 20	20 17	21 19	4 3	220 172	40·57
Sutherland .5	Loch More (Achfary)	28 25	21 15	22 17	28 28	20 15	28 22	15 11	25 22	24 21	22 21	23 21	11 7	267 225	86·72
Caithness ..3	Thurso (Buckies)	21 19	16 15	15 14	26 24	16 15	21 21	10 8	12 10	20 20	24 20	27 18	12 10	220 194	36·84
Scotland	**(Mean of 28 Stations)**.....	**25 21**	**17 13**	**20 15**	**24 19**	**15 11**	**21 17**	**16 13**	**20 16**	**22 18**	**19 16**	**22 17**	**12 8**	**233 184**	**51·48**
IRELAND.															
Co. Cork ...6	Dunmanway (The Rectory)..	26 23	22 16	25 22	17 9	12 6	17 15	19 17	22 20	22 19	14 13	18 16	25 21	239 197	60·52
Co. Cork ...7	Glanmire (Lota Lodge)	24 21	19 16	26 18	13 7	10 5	20 14	19 14	24 18	22 18	20 13	19 14	23 15	239 173	50·28
Co. Kerry ..3	Cahirciveen (Valentia Obsy.)	31 27	21 19	28 24	19 12	9 7	22 19	19 15	24 22	25 21	16 13	25 18	21 18	260 215	52·91
Co. Kerry ..3	Killarney (District Asylum).	29 27	19 16	27 25	15 10	10 5	26 23	21 16	23 20	24 18	19 15	22 20	20 14	255 209	59·83
Waterford..3	Waterford (Brook Lodge)....	17 16	16 12	23 21	9 5	10 7	19 16	21 17	22 18	18 14	17 12	16 13	18 18	206 169	42·23
Tipperary ..1	Nenagh (Castle Lough)	28 24	17 14	25 19	16 13	10 8	24 19	16 14	22 21	23 17	13 10	20 14	18 15	232 188	41·64
Tipperary ..3	Cashel (Ballinamona)	26 22	19 13	25 21	16 11	9 6	23 19	18 14	22 20	24 19	18 11	16 10	20 12	236 178	40·62
Limerick ...2	Foynes (Coolnanes)	28 26	17 13	25 21	16 13	8 7	25 17	18 13	22 18	22 19	17 12	21 14	19 12	238 185	43·32
Co. Wexford4	Gorey (Courtown House)....	19 14	15 11	24 17	9 5	8 8	19 12	14 11	21 19	21 10	13 10	14 13	15 9	192 139	38·54
Queen's Co. 2	Abbey Leix (Blandsfort)	25 19	16 14	23 19	15 8	11 7	23 19	19 14	21 19	21 17	16 11	17 12	20 15	227 174	39·92
Co. Dublin .2	Dublin (Fitz William Square)	18 12	14 11	23 14	16 11	10 6	21 15	18 11	23 19	22 17	17 11	17 13	15 8	214 148	32·38
Co. Meath..4	Kells (Headfort)	24 16	18 14	24 17	13 7	11 7	21 13	18 14	22 17	22 15	16 13	24 13	13 9	226 155	35·91
Co.W'meath1	Moate (Coolatore)	25 18	16 12	25 18	16 10	11 7	23 18	17 14	20 17	23 17	17 14	20 13	14 12	227 170	34·40
Co.Longford2	Castle Forbes Gardens.....	28 25	18 14	24 20	15 11	9 6	21 18	17 13	22 15	23 18	18 12	20 11	16 14	231 177	38·77
Co. Galway.3	Ballynahinch Castle	30 30	24 18	27 25	28 21	10 6	27 22	19 17	25 23	27 23	21 19	24 19	22 17	284 240	74·18

Table IV.—*Number of "Rain-days" (·01 in. or more) and of "Wet-days" (·04 in. or more) in 1927.—(con.).*

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Total Rainfall.
IRELAND —(*con.*).															in.
Co. Mayo ..4	Mallarany	30 30	20 18	25 25	26 22	11 7	23 18	17 15	24 22	24 22	19 15	27 24	18 14	264 232	74·97
Co. Sligo...2	Collooney (Markree Obsy.)...	28 27	19 13	22 20	22 16	14 7	22 17	15 14	21 21	24 21	17 14	22 17	16 11	242 198	48·11
Co. Cavan..1	Belturbet (Cloverhill)	28 20	16 13	20 19	19 12	12 9	21 17	15 11	22 19	21 15	22 15	23 14	13 9	232 173	33·03
Co. Down ..2	Seaforde	14 12	15 11	18 16	18 11	9 6	17 15	22 16	18 14	21 20	12 9	17 15	13 11	194 156	40·41
Co. Antrim.5	Ballymena (Harryville)	24 22	20 17	23 18	23 18	11 10	22 19	21 16	20 16	24 23	20 16	23 21	17 16	248 212	40·29
Co. Tyrone .3	Omagh (Edenfel)	28 22	17 12	20 17	27 14	13 10	23 15	17 10	18 15	23 20	20 13	25 20	11 9	242 177	36·95
Co. Donegal 3	Milford (The Manse).....	29 27	15 12	21 20	25 19	12 9	23 17	17 15	21 16	24 21	21 18	28 23	10 7	246 204	43·14
Co. Donegal 5	Killybegs (Rockmount)	31 30	18 17	24 22	29 21	14 11	20 18	15 13	20 19	24 21	20 17	25 24	14 10	254 223	62·31
Ireland	**(Mean of 23 Stations).....**	**26 22**	**18 14**	**24 20**	**18 12**	**11 7**	**22 17**	**18 14**	**22 19**	**23 18**	**18 13**	**21 16**	**17 13**	**238 185**	**46·27**
British Isles.	**(Mean of 100 Stations) ...**	**23 19**	**16 13**	**21 17**	**18 13**	**12 8**	**20 16**	**18 13**	**21 17**	**22 17**	**17 13**	**21 15**	**14 10**	**223 171**	**45·56**

3. ABSOLUTE DROUGHTS, PARTIAL DROUGHTS AND DRY SPELLS IN 1927.

As in the previous section, certain definitions have to be adopted and rigidly adhered to in order to obtain a reliable body of statistical information on the subject of droughts. The definitions used are :— An **absolute drought** is a period of at least 15 consecutive days, to none of which is credited ·01 inch of rain or more. A **partial drought** is a period of at least 29 consecutive days, the mean daily rainfall of which does not exceed ·01 inch. A **dry spell** is a period of at least 15 consecutive days to none of which is credited ·04 inch of rain or more. These terms are used in *British Rainfall* only in the senses stated. More concise definitions of two of these terms would be :—

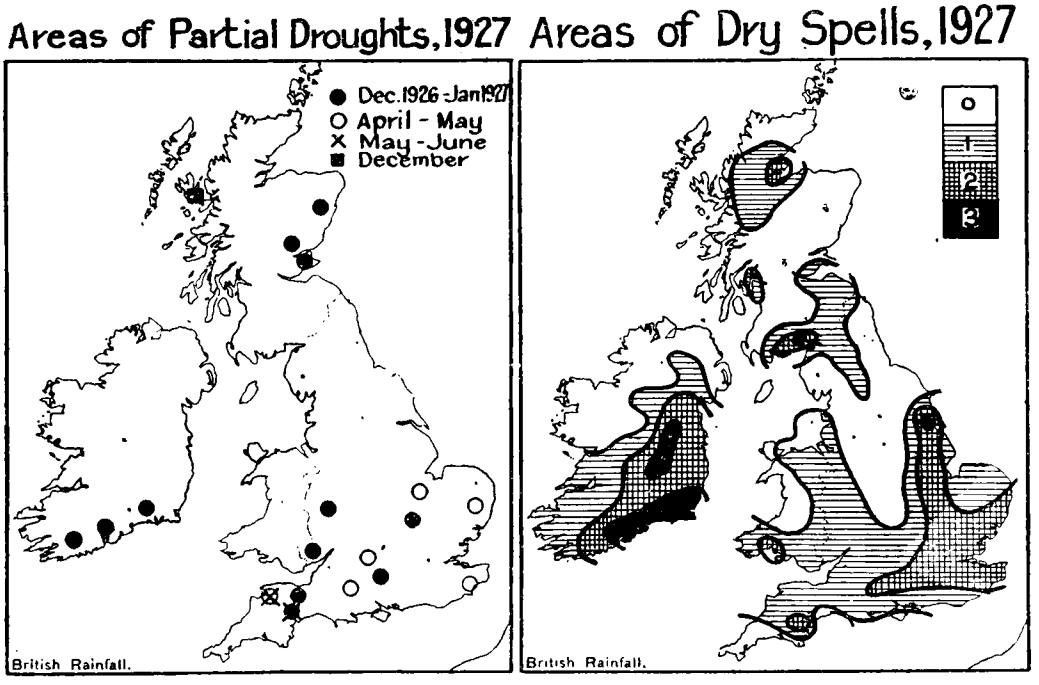
An *absolute drought* is a period of at least 15 days, none of which is a rain-day ; a *dry spell* is a period of at least 15 days, none of which is a wet-day.

In Table VII are given particulars of the absolute droughts, partial droughts and dry spells, which occurred at the 100 selected stations of Table IV. The names of the stations at which no instance of such droughts and dry spells occurred during the year are omitted from Table VII. The number of stations so omitted this year is as many as 40, of which 15 are situated in England and Wales, 1 in the Isle of Man, 15 in Scotland and 9 in Ireland.

Associated with the high frequency of rain-days, especially during the summer months, and the unusually large number of rain-spells, the number of *absolute droughts** during the year was naturally small. In fact, there was at no time any widespread drought. The absolute drought from about April 26 to May 14 occurred at 5 stations in the south-east of England, representing one-twentieth of the whole of the British Isles. At Gorey, in County Wexford, there were two periods of no rain from April 6 to 21 and from May 16 to June 2. At Carmarthen and Dunmanway in Cork there was an absolute drought in October, and at Fortrose and Loch Torridon one in part of November and December. There was, therefore, a complete absence of droughts in the summer months, a most unusual occurrence in any year. The total number of droughts, *viz.*, 11, is shown in Table V to rank with that for 1923 as the smallest number in any year. The number of stations without an absolute drought was one more than in 1923. In other words, at stations representative of nine-tenths of the whole of the British Isles there was at no time during the year a period of 15 or more days without rain.

* The precise procedure adopted in the allocation of droughts which cover parts of two years is similar to that set out for rain spells in the footnote on p. 25 *British Rainfall*, 1926.

The *partial droughts* were equally remarkable, the total number of 19 being the smallest in the series with the sole exception of that in 1918. As shown in the diagram, the most widespread partial drought occurred from December, 1926, to January, 1927. Reference was made to this drought in *British Rainfall*, 1926, p. 17. Five stations in the south-east of England recorded a partial drought of about a month's duration in April to May, and three stations in the south-west of England and Wales one of a similar length in May to June. The longest partial



A partial drought occurred also at Haverfordwest (Pembrokeshire) in May to June.

drought of the year occurred at Lympne Aerodrome from April 9 to May 21 a period of 43 days with only ·33 inch of rain. The partial drought in December at Portree (Skye) recalls the very dry December in the Western Highlands.

The *dry spells* naturally include all the absolute droughts, but the period of a dry spell is often longer than that of any absolute drought included in it. The same dry periods are again the main feature of this part of the table. At Waterford, four dry spells occurred during the year, in December, 1926, to January, 1927, April, May and October. Many stations in the south-east of Ireland, South Wales and south and east of England experienced two or three dry spells. The spell which was completed in January, 1927, usually included only 1 or 2 days in that month. After March, April and May there was a complete absence of dry spells until the winter months, with the exception of that in August in Essex and Suffolk. The dry spell in October was well developed in the southern half of England, south-east of Ireland and at Dumfries and Greenock. The November dry spell occurred in the

north of England and south-east of Scotland, while that of December was confined to the north-west of Scotland.

The main feature of the dry spells of 1927 was their almost complete absence during the summer months and the unusual frequency during the winter months, both at the beginning and at the end of the year. The total number of such spells during the year was fewer than usual.

Table V.—*Comparative Summary of Droughts*, 1917–1927.

	ABSOLUTE DROUGHTS.*				PARTIAL DROUGHTS.†			
	No. of Droughts at 100 Stations.	Mean Duration	Longest.	Stations without one.	No. of Droughts at 100 Stations.	Mean Duration.	Longest.	Stations without one.
		Days.	Days.			Days.	Days.	
1917	109	19	28	23	64	33	61	46
1918	20	16	18	83	14	34	47	87
1919	33	18	31	68	44	38	50	63
1920	18	17	22	84	22	37	54	79
1921	86	19	38	47	109	42	89	30
1922	63	17	23	46	44	36	51	66
1923	11	17	24	89	20	38	54	80
1924	50	16	22	55	25	36	57	81
1925	74	23	33	37	76	38	60	29
1926	20	17	24	83	43	36	57	64
1927	11	17	19	90	19	32	43	83
Average 1887–1927	60	18	26	54	50	36	56	60
1927 diff.from Average.	−49	−1	−7	+36	−31	−4	−13	+23

* 15 days without a "rain day." † 29 days averaging not more than ·01 in.

Table VI.—*Dry Spells*, 1917–1927 (*i.e.*, 15 days without a " wet day."‡)

Year.	Number at 100 Stations.	Mean Duration.	Longest Spell.	Number of Stations with			
				None.	1 or 2.	3 or 4.	5 or more.
		Days.	Days.				
1917	193	20	31	5	70	25	0
1918	118	17	26	36	47	17	0
1919	98	19	38	35	62	3	0
1920	56	18	31	55	44	1	0
1921	201	21	58	21	43	29	7
1922	162	18	30	13	65	22	0
1923	65	18	29	54	43	3	0
1924	120	17	29	32	56	12	0
1925	164	22	43	14	65	21	0
1926	98	19	40	30	65	5	0
1927	91	17	31	43	49	8	0

‡ A day with ·04 in. or more.

TABLE VII.—*Droughts and Dry Spells in* 1927.

County and River Division.	Station.	Absolute Droughts.*			Partial Droughts.†				Dry Spells.‡			
		Began.	Ended.	Lasted.	Began.	Ended.	Lasted.	Rain.	Began.	Ended.	Lasted.	Rain.
ENGLAND AND WALES				days			days	in.			days	in.
London 2	St. Pancras (Camden Square)..	..	..	..	..	..	..	..	18.xii.26	Jan. 2	16	·03
		..	..	..	..	..	..	..	Oct. 3	Oct. 20	18	·03
Kent 2	Lympne Aerodrome	April 29	May 15	17	April 9	May 21	43	·33	April 15	May 15	31	·06
		..	..	..	..	..	..	..	Oct. 2	Oct. 20	19	·07
Sussex 3	Patcham (Brighton W.W.)	..	..	..	..	..	..	..	Oct. 2	Oct. 20	19	·04
Hampshire 7	Selborne (The Wakes)	..	..	..	1.xii.26	Jan. 1	32	·32	18.xii.26	Jan. 2	16	·06
		..	..	..	..	..	..	..	Oct. 2	Oct. 20	19	·10
Berkshire ..5	Upton (Manor House)	..	..	..	April 11	May 15	35	·35	April 15	May 13	29	·07
Northamp- 4 tonshire.	Eye (Northolm)	..	..	..	..	..	..	..	Mar. 7	Mar. 21	15	·06
		April 26	May 14	19	April 11	May 15	35	·29	April 26	May 15	20	·01
Cambridge 2	Cambridge (Botanic Gardens)..	..	..	..	*26.xi.26*	*Jan. 2*	*38*	*·38*	..	..	..	..
		April 26	May 14	19	..	..	..	..	April 26	May 14	19	·00
		..	..	..	..	..	..	..	Oct. 2	Oct. 20	19	·07
Essex 3	Great Wakering.....	..	..	..	..	..	..	..	Aug. 22	Sept. 9	19	·16
		..	..	..	..	..	..	..	Oct. 2	Oct. 20	19	·03
Suffolk 2	Haughley (Haughley House)..	..	..	..	..	..	..	..	April 26	May 14	19	·06
		..	..	..	..	..	..	..	Aug. 25	Sept. 8	15	·06
Norfolk 1	Beccles (Geldeston)	April 26	May 13	18	April 15	May 13	29	·29	April 26	May 14	19	·02
		..	..	..	..	..	..	..	Aug. 21	Sept. 8	19	·04
Wiltshire ..3	Larkhill (School of Artillery)..	..	..	..	April 15	May 15	31	·28	April 15	May 3	19	·08
		..	..	..	..	..	..	..	Oct. 2	Oct. 20	19	·08

* At least 15 days, none credited with ·01 in. or more. † At least 29 days, with an average not exceeding ·01 in.
‡ At least 15 days, none credited with ·04 in. or more.

TABLE VII.—*Droughts and Dry Spells in* 1927—(*con.*).

County and River Division.	Station.	Absolute Droughts.*			Partial Droughts.†				Dry Spells.‡			
		Began.	Ended.	Lasted.	Began.	Ended.	Lasted.	Rain.	Began.	Ended.	Lasted.	Rain.
				days			days	in.			days	in.
Dorsetshire 3	Dorchester (Wollaston House)	..	..	..	..	..	..	..	Oct. 3	Oct. 20	18	·04
South Devon 2	Launceston (Polapit Tamar) ..	..	..	..	..	..	..	..	Oct. 3	Oct. 17	15	·01
South Devon 4	Holne (Church Park Cottage) ..	..	..	..	4.xii.26	Jan. 1	29	·26	18.xii.26	Jan. 1	15	·01
		..	..	..	May 17	June 15	30	·27	Oct. 3	Oct. 18	16	·01
North Devon 2	Barnstaple (N. Dev. Athenæum)	..	..	..	April 15	May 13	29	·27	..	..	..	..
		..	..	..	May 17	June 15	30	·24	Oct. 3	Oct. 17	15	·10
Somerset- 1 shire.	Bath (Henrietta Park)	..	..	..	..	..	..	..	Oct. 3	Oct. 17	15	·04
Somerset- 3 shire.	Angersleigh (Leigh Court)	..	..	..	5.xii.26	Jan. 2	29	·28	Oct. 3	Oct. 20	18	·08
Gloucester- 4 shire.	Mickleton (Bank House)	..	..	..	..	..	..	..	*15.xii.26*	*Jan. 2*	*19*	*·05*
		..	..	..	..	..	..	..	Mar. 7	Mar. 21	15	·05
Hereford- 1 shire.	Ross (Birchlea)	..	..	..	6.xii.26	Jan. 11	37	·31	18.xii.26	Jan. 2	16	·03
		..	..	..	..	..	..	..	Mar. 7	Mar. 21	15	·04
		..	..	..	..	..	..	..	April 16	May 1	16	·02
Shropshire .. 3	Bishops Castle (Castle Street) ..	..	..	..	..	..	..	..	18.xii.26	Jan. 1	15	·02
Shropshire .. 4	Shifnal (Hatton Grange)	..	..	..	6.xii.26	Jan. 3	29	·22	18.xii.26	Jan. 3	17	·02
Lincolnshire 3	Horncastle	April 26	May 13	18	..	..	..	..	April 25	May 13	19	·03
		..	..	..	..	..	..	..	Nov. 29	Dec. 13	15	·10
North 5 Lancashire.	Blackpool (Met. Observatory)	..	..	..	..	..	..	..	Nov. 29	Dec. 13	15	·03
Yorkshire 3 E.R.	Hull (Pearson Park)	..	..	..	..	..	..	..	Feb. 8	Feb. 22	15	·06
		..	..	..	..	..	..	..	April 27	May 13	17	·07
		..	..	..	..	..	..	..	Nov. 29	Dec. 13	15	·12
Yorkshire 4 E.R.	Filey Vicarage	..	..	..	..	..	..	..	April 28	May 13	16	·03

* At least 15 days, none credited with ·01 in. or more. † At least 29 days, with an average not exceeding ·01 in.
‡ At least 15 days, none credited with ·04 in. or more.

TABLE VII.—*Droughts and Dry Spells in* 1927—(*con.*).

County and River Division.	Station.	Absolute Droughts.*			Partial Droughts.†				Dry Spells.‡			
		Began.	Ended.	Lasted.	Began.	Ended.	Lasted.	Rain.	Began.	Ended,	Lasted.	Rain.
				days			days	in.			days	in.
Yorkshire N.R. 1	West Witton (Ivy House)	..	..	..	..	..	..	..	Nov. 24	Dec. 8	15	·05
Cumberland 1	Geltsdale	..	..	..	..	..	..	..	Nov. 29	Dec. 13	15	·04
Glamorgan 6	Treherbert (Tyn-y-waun)	..	..	..	..	..	..	..	Oct. 3	Oct. 17	15	·02
Carmarthen 2	Carmarthen (The Friary)	..	..	..	..	..	..	..	18.xii.26	Jan. 1	15	·03
		Oct. 3	Oct. 18	16	..	..	..	..	Oct. 3	Oct. 20	18	·03
Pembroke-shire. 4	Haverfordwest (Portfield)	..	..	..	May 16	June 15	31	·30	May 17	June 2	17	·03
Denbigh ..2	Denbigh (Garn)	..	..	..	..	..	..	..	Nov. 29	Dec. 14	16	·05
Anglesey	Llanerchymedd (Llwydiarth Esgob).	..	..	..	..	..	..	..	May 16	June 4	20	·05
CHANNEL ISLANDS.												
Guernsey ...	St. Peter Port (Grange Road)..	..	..	..	..	..	..	..	Oct. 2	Oct. 18	17	·04
SCOTLAND.												
Dumfries ..3	Dumfries (Crichton Roy. Inst.)	..	..	..	..	..	..	..	18.xii.26	Jan. 1	15	·03
		..	..	..	..	..	..	..	May 15	May 30	16	·11
		..	..	..	..	..	..	..	Oct. 2	Oct. 18	17	·13
		..	..	..	..	..	..	..	*14.xii.26*	*Jan. 4*	*22*	*·19*
Berwick-shire 4	Duns Castle	..	..	..	..	..	..	..	Feb. 6	Feb. 20	15	·09
		..	..	..	..	..	..	..	Nov. 24	Dec. 10	17	·10
		..	..	..	..	..	..	..	18.xii.26	Jan. 1	15	·08
Linlithgow..2	Linlithgow Academy	..	..	..	..	..	..	..	Oct. 3	Oct. 17	15	·08
Renfrew ...3	Greenock (Prospect Hill)	..	..	..	..	..	..	..				

* At least 15 days, none credited with ·01 in. or more. † At least 29 days, with an average not exceeding ·01 in.
‡ At least 15 days, none credited with ·04 in. or more.

TABLE VII.—*Droughts and Dry Spells in* 1927—(*con.*).

County and River Division.	Station.	Absolute Droughts.*			Partial Droughts.†				Dry Spells.‡			
		Began.	Ended.	Lasted.	Began.	Ended.	Lasted.	Rain.	Began.	Ended.	Lasted.	Rain.
				days			days	in.			days	in.
Fifeshire ...3	Leuchars (Seaplane Station) ..	..	..	..	*30.xi.26*	*Jan. 3*	*35*	*·33*	..	..	..	...
Kincardine 3	Banchory (Invercannie)	..	..	..	6.xii.26	Jan 3	29	·27	..	..	..	..
Moray	Gordon Castle	..	..	..	..	..	..	..	Nov. 25	Dec 11	17	·04
Inverness ..3	Cluny Castle	..	..	..	..	..	..	..	Nov. 29	Dec. 13	15	·08
Inverness 17	Fort William	..	..	..	..	..	..	..	Dec. 7	Dec. 21	15	·04
Inverness 18	Skye (Portree)	..	..	..	Dec. 2	Dec. 31	30	·24	..	..	..	..
Ross and Cromarty. 3	Fortrose	..	..	..	..	..	..	..	Mar. 5	Mar. 22	18	·05
		Nov. 26	Dec. 12	17	..	..	..	..	Nov. 25	Dec. 12	18	·01
Ross and Cromarty. 8	Loch Torridon (Bendamph) ...	Dec. 7	Dec. 21	15	..	..	..	..	Dec. 7	Dec. 21	15	·00
Sutherland 1	Lairg	..	..	..	..	..	..	..	Nov. 30	Dec. 19	20	·01
IRELAND.												
Co. Cork ...6	Dunmanway (The Rectory) ...	..	..	..	2.xii.26	Jan. 1	31	·31	*14.xii.26*	*Jan. 1*	*19*	*·11*
		..	..	..	..	..	..	..	May 16	June 1	17	·07
		Oct. 5	Oct. 19	15	..	..	..	..	Oct. 5	Oct. 19	15	·00
Co. Cork ...7	Glanmire (Lota Lodge)	..	..	..	4.xii.26	Jan. 1	29	·28	April 6	April 21	16	·09
		..	..	..	..	..	..	..	May 16	June 2	18	·03
		..	..	..	..	..	..	..	Oct. 5	Oct. 19	15	·06
Co. Kerry ..3	Cahirciveen (Valentia Obs.) ...	..	..	..	..	..	..	..	May 16	June 1	17	·03
Co. Kerry ..3	Killarney (District Asylum) ...	..	..	..	..	..	..	..	May 16	June 1	17	·05
Co. Waterford. 3	Waterford (Brook Lodge)	..	..	..	5.xii.26	Jan. 5	32	·28	*5.xii.26*	*Jan. 1*	*28*	*·05*
		..	..	..	..	..	..	..	April 5	April 24	20	·09
		..	..	..	..	..	..	..	May 17	June 1	16	·03
		..	..	..	..	..	..	..	Oct. 5	Oct. 19	15	·06

* At least 15 days, none credited with ·01 in. or more. † At least 29 days, with an average not exceeding ·01 in.
‡ At least 15 days, none credited with ·04 in. or more.

TABLE VII.—*Droughts and Dry Spells in* 1927—(*con.*).

County and River Division.	Station.	Absolute Droughts.*			Partial Droughts.†				Dry Spells.‡			
		Began.	Ended.	Lasted.	Began.	Ended.	Lasted.	Rain.	Began.	Ended.	Lasted.	Rain.
				days			days	in.			days	in.
Co.Tipperary 1	Nenagh (Castle Lough)	..	..	..	..	..	..	..	18.xii.26	Jan. 1	15	·10
Co.Tipperary3	Cashel (Ballinamona)	..	..	..	..	..	..	..	Oct. 2	Oct. 19	18	·06
Co.Limerick 2	Foynes (Coolnanes)	..	..	..	..	..	..	..	18.xii.26	Jan. 1	15	·11
Co. Wexford 4	Gorey (Courtown House)	..	..	..	..	..	..	..	Oct. 1	Oct. 17	17	·08
		April 6	April 21	16	..	..	..	..	Oct. 2	Oct. 17	16	·12
		May 16	June 2	18	..	..	..	..	April 5	April 21	17	·03
Queen's 2 County.	Abbey Leix (Blandsfort)	..	..	..	..	..	..	..	May 16	June 4	20	·03
		..	..	..	..	..	..	..	Oct. 2	Oct. 20	19	·05
		..	..	..	..	..	..	..	19.xii.26	Jan. 3	16	·13
		..	..	..	..	..	..	..	May 17	June 1	16	·05
Co. Dublin 2	Dublin (Fitzwilliam Square)...	..	..	..	..	..	..	..	Oct. 3	Oct. 17	15	·02
		..	..	..	..	..	..	..	*15.xii.26*	*Jan. 4*	*21*	*.08*
		..	..	..	..	..	..	..	May 21	June 4	15	·06
Co. Meath ..4	Kells (Headport)	..	..	..	..	..	..	..	Oct. 3	Oct. 17	15	·04
		..	..	..	..	..	..	..	18.xii.26	Jan. 3	17	·08
		..	..	..	..	..	..	..	May 21	June 4	15	·03
Co.Longford 2	Castle Forbes Gardens.....	..	..	..	..	..	..	..	Oct. 2	Oct. 18	17	·03
Co. Tyrone 3	Omagh (Edenfel)	..	..	..	..	..	..	..	Oct. 2	Oct. 19	18	·09
		..	..	..	..	..	..	..	18.xii.26	Jan. 1	15	·11

* At least 15 days, none credited with ·01 in. or more. † At least 29 days, with an average not exceeding ·01 in.
‡ At least 15 days, none credited with ·04 in. or more.

4. RAIN SPELLS AND WET SPELLS IN 1927.

The definitions of the terms " rain spell " and " wet spell " as used in this section, are analogous to those of the terms " absolute drought " and " dry spell," which are used in the previous section. Thus :—

A **Rain Spell** is a period of at least 15 consecutive days to each of which is credited ·01 inch of rain or more.

A **Wet Spell** is a period of at least 15 consecutive days to each of which is credited ·04 inch of rain or more.

In other words, a *rain spell* contains at least 15 consecutive rain-days, and a *wet spell* contains at least 15 consecutive wet-days.

Table X contains particulars of all rain spells* and wet spells during 1927 which were reported from the 100 selected stations of Table IV, while Tables VIII and IX give comparative statistics concerning the rain spells since 1903 and the wet spells since 1917 respectively.

In 1927 the number of rain spells at the 100 stations was 206 (Table VIII), being 32 more than the average for the period 1903–1927, but the mean duration of the spells and the mean amount per rain-day was less than the average. The number has exceeded 200 in the 25 years of comparable statistics in only 5 years, *viz.*, 1927, 1923, 1916, 1910 and 1903. Out of the 100 stations 43 recorded 1 or 2 rain spells

* The precise procedure adopted in the allocation of rain spells or wet spells which cover parts of two years is set out in the footnote on p. 25 *British Rainfall*, 1926.

during the year, which is 1 less than the average. The number of stations with 3 or 4 was 6 in excess and the number with 5 or more 2 in excess of the average.

The longest rain spell shown in Table X occurred at Ballynahinch Castle in County Galway and lasted for 42 days, from March 17 to April 27. During this period the total rainfall amounted to 7·97 inches. Several rain spells are shown in the table with considerably greater totals, although of less duration, notably 15·97 inches on 15 days at Grasmere, Westmorland; 13·21 inches on 19 days at Treherbert, Glamorgan, and 14·40 inches on 20 days at Achfary in Sutherland. Of these that at Treherbert was the most striking in view of its occurrence in August, a month which is not usually associated with a long spell of days with rain. The main feature of the rain spells of the year was the high frequency of their occurrence, the individual spells were neither unusually long nor associated with an unusually heavy amount of rain.

This is emphasised by Table IX, which shows that the number of wet spells was the least in the 11 years of comparable statistics with the sole exception of 1924, even though the dry year 1921 is included. An unusually large number of the rain spells occurred in the summer months, and many of them included days with too little rain to give wet spells. The small number of wet spells is also associated with the fact that in the north-west of Scotland, one of the regions where wet spells are most frequent, there was less than the average rainfall for the year as a whole. Furthermore, December, one of the months in which wet spells are most frequent, was unusually dry. As many as 74 of the stations, representing about three quarters of the whole of the British Isles, recorded no wet spell at all during the year.

The most widespread wet spell was that of January, which was confined to the west of Scotland and north-west of Ireland. It commenced generally at the end of 1926, but in the extreme north of Scotland it did not begin until about the 20th January and lasted into February. The next wet spell lasted generally from February 19th to March 7th, and occurred at Upton (Berkshire) and Holne (South Devonshire), in parts of the south of Wales, in Islay and parts of the west of Ireland. Stations in the north-west of Scotland recorded a wet spell in April. The more remarkable summer wet spell of August was confined to stations in central and northern Wales and in the bordering counties of England. Apart from the wet spells in the north-west of Scotland and Ireland and in Anglesey during October, the autumn and later winter months were free from such occurrences. The wet spells of 1927 were confined almost entirely to the western half of Great Britain and of Ireland. It was also noteworthy that no wet spells occurred during the year in the English Lake District.

Table VIII.—*Comparative Table of Rain Spells* at* 100 *Stations,* 1903-1927.

Year.	No. of Rain Spells.	DURATION OF SPELLS. Mean. Days.	Mean. Mean rain per day.	Greatest. Days.	Greatest. Mean rain per day.	STATIONS WITH None.	1 or 2.	3 or 4.	5 or more
			in.		in.				
1903	282	22	·28	52	·51	11	41	26	22
1904	152	19	·22	34	·27	31	51	11	7
1905	121	19	·24	44	·38	45	39	12	4
1906	125	21	·25	50	·40	38	47	11	4
1907	177	21	·25	45	·17	38	30	18	14
1908	159	19	·24	49	·43	21	59	12	8
1909	110	19	·26	45	·12	36	52	12	0
1910	235	21	·25	64	·30	24	34	25	17
1911	185	22	·29	39	·15	19	50	23	8
1912	198	22	·27	58	·19	29	32	30	9
1913	128	21	·29	64	·19	44	34	19	3
1914	150	22	·29	70	·28	30	44	25	1
1915	132	20	·27	38	·25	34	47	16	3
1916	231	20	·29	62	·28	19	41	28	12
1917	152	22	·28	52	·19	30	48	17	5
1918	186	23	·30	56	·21	21	51	19	9
1919	143	20	·26	46	·31	29	53	14	4
1920	165	20	·25	45	·24	32	45	12	11
1921	184	22	·29	45	·25	31	36	25	8
1922	170	21	·26	49	·35	30	42	23	5
1923	222	23	·26	89	·31	17	47	21	15
1924	168	19	·25	54	·23	33	41	18	8
1925	176	19	·29	60	·34	27	43	23	7
1926	194	20	·28	45	·14	21	37	38	4
1927	206	19	·26	42	·19	21	43	26	10
Average	174	21	·27	52	·27	28	44	20	8

NOTE.—The values previous to 1910 have been increased to the equivalent of 100 Stations for comparison. In the columns headed "Greatest" the figures refer to the selected Stations only.

* At least ·01 in. each day, 15 days or more.

Table IX.—*Wet Spells (at least* ·04 *in. each day,* 15 *days or more); 100 Stations;* 1917-1927.

Year.	Number of Wet Spells.	Mean Duration. Days.	Mean Duration. Mean rain per day.	Longest Spell. Days.	Longest Spell. Mean rain per day.	STATIONS WITH None.	1 or 2.	3 or 4.	5 or more
			in.		in.				
1917	55	19	·35	31	·46	67	28	3	2
1918	49	21	·40	36	·44	70	26	4	0
1919	49	17	·29	33	·34	66	29	5	0
1920	47	18	·37	31	·61	75	17	8	0
1921	59	20	·41	29	·32	69	22	9	0
1922	65	20	·36	42	·28	64	29	7	0
1923	62	20	·36	42	·39	73	17	8	2
1924	30	18	·34	24	·37	79	19	2	0
1925	55	17	·42	31	·18	67	27	6	0
1926	60	19	·37	30	·48	62	32	6	0
1927	39	18	·35	24	·29	74	22	4	0

Table X.—*Rain Spells and Wet Spells in* 1927.

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spell.	
		Began.	Ended.	Lasted.	Total Rain.	Began.	Ended.	Lasted.	Total Rain.	Date.	Rain.
ENGLAND AND WALES				days	ins.			days	ins.		ins.
London ..2	St. Pancras (Camden Square)	Aug. 5	Aug. 22	18	3·28	..	..	..	..	Aug. 15	·63
Kent ..2	Lympne Aerodrome	Aug. 11	Aug. 25	15	3·01	..	..	..	..	Aug. 20	·95
Hampshire 1	Ventnor (Royal National Hospital)	Feb. 19	Mar. 9	19	3·77	..	..	..	..	Feb. 26	·55
Hampshire 7	Selborne (The Wakes)	Aug. 6	Aug. 25	20	3·92	..	..	..	..	Aug. 20	·57
Berkshire ..5	Upton (Manor House)	Feb. 19	Mar. 7	17	3·35	Feb. 19	Mar. 6	16	3·32	Feb. 26	·47
		June 16	July 1	16	2·99	..	..	..	..	July 1	·56
Northamptonshire 4	Wellingborough (Swanspool Gardens)	June 22	July 9	18	3·59	..	..	..	..	July 6	·79
Norfolk ..1	Beccles (Geldeston)	Sept. 8	Sept. 23	16	3·57	..	..	..	..	Sept. 14	1·54
Norfolk ..4	Sporle	June 21	July 8	18	4·08	..	..	..	..	July 6	1·33
		Sept. 13	Sept. 27	15	2·70	..	..	..	..	Sept. 14	·75
Wiltshire 3	Larkhill (School of Artillery)..	Feb. 19	Mar. 11	21	4·36	..	..	..	..	Feb. 26	·59
Dorsetshire 3	Dorchester (Wollaston House)	Feb. 21	Mar. 11	19	4·43	..	..	..	..	Feb. 26	·57
SouthDevon 2	Launceston (Polapit Tamar)..	Feb. 19	Mar. 10	20	4·59	..	..	..	..	Feb. 26	·72
SouthDevon 4	Holne (Church Park Cottage)	Feb. 19	Mar. 10	20	7·75	Feb. 19	Mar. 7	17	7·53	Feb. 26	1·23
		Aug. 6	Aug. 24	19	5·71	..	..	..	..	Aug. 17	·87
NorthDevon 2	Barnstaple (N. Dev. Athenæum)	Jan. 20	Feb. 7	19	4·48	..	..	..	..	Jan. 28	1·50
		Feb. 19	Mar. 9	19	3·44	..	..	..	..	Feb. 19	·71
		Mar. 21	Apr. 9	20	4·03	..	..	..	..	Mar. 31	·65
		Sept. 12	Oct. 2	21	6·02	..	..	..	..	Sept. 23	·99
Cornwall ..2	St. Austell (Trevarna)	29.xii.26	Jan. 18	21	3·11	..	..	..	..	Jan. 13	·58
		Feb. 19	Mar. 10	20	4·37	..	..	..	..	Feb. 26	·61
		Aug. 6	Aug. 24	19	3·87	..	..	..	..	Aug. 17	1·14
		Sept. 4	Sept. 18	15	3·68	..	..	..	.	Sept 14	·97

* At least 15 days, each credited with ·01 in. or more.

† At least 15 days, each credited with ·04 in. or more.

Table X.—*Rain Spells and Wet Spells in* 1927—(*con.*).

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spell.	
		Began.	Ended.	Lasted.	Total Rain.	Began.	Ended.	Lasted.	Total Rain.	Date.	Rain.
				days	ins.			days	ins.		ins.
ENGLAND AND WALES —(*con.*).											
Somerset- 1 shire	Bath (Henrietta Park)	Feb. 19	Mar. 11	21	3·61	..	..	..	..	Feb. 26	·55
		June 16	July 1	16	3·26	..	..	..	..	July 1	·55
		Aug. 6	Aug. 25	20	6·12	..	..	..	..	Aug. 10	1·25
Somerset- 3 shire	Angersleigh (Leigh Court)	Feb. 19	Mar. 11	21	4·33	..	..	..	..	Feb. 26	·76
		Aug. 6	Aug. 24	19	3·02	..	..	..	..	Aug. 17	·50
Hereford- 1 shire	Ross (Birchlea)	Feb. 19	Mar. 7	17	3·11	..	..	..	..	Feb. 26	·57
		Aug. 6	Aug. 25	20	4·80	..	..	..	..	Aug. 17	1·24
		Sept. 12	Sept. 26	15	4·12	..	..	..	..	Sept. 14	(1·24)
Shropshire 3	Bishops Castle (Castle Street)	Feb. 24	Mar. 11	16	1·95	..	..	..	..	Feb. 26	·52
		Aug. 6	Aug. 24	19	5·13	Aug. 8	Aug. 23	16	4·99	Aug. 17	1·00
Shropshire 4	Shifnal (Hatton Grange)	Feb. 19	Mar. 8	18	2·10	..	..	..	..	Feb. 20	·54
		Aug. 7	Aug. 25	19	3·83	..	..	..	..	Aug. 18	·66
Staffordshire	Ashbourne (Mayfield House) .	June 16	June 30	15	5·04	..	..	..	..	June 18	1·03
		Aug. 6	Aug. 24	19	3·91	..	..	..	..	Aug. 23	·66
Cheshire ..2	Northwich (Hunts Lock)	June 16	July 1	16	3·54	..	..	..	..	June 18	1·03
		Aug. 7	Aug. 24	18	3·36	Aug. 8	Aug. 22	15	3·29	Aug. 8	·39
		Sept. 12	Sept. 26	15	4·15	..	..	..	..	Sept. 22	·92
Yorkshire 8 W.R.	Meltham (Harewood Lodge) ..	Mar. 22	Apr. 5	15	4·39	..	..	..	..	Mar. 26	1·82
		Aug. 6	Aug. 24	19	4·39	..	..	..	..	Aug. 18	1·02
		Sept. 12	Sept. 26	15	4·42	..	..	..	..	Sept. 13	1·10
		Oct. 21	Nov. 7	18	6·18	..	..	..	..	Nov. 5	1·38
Yorkshire 1 N.R.	West Witton (Ivy House)	Oct. 24	Nov. 7	15	3·65	..	..	..	..	Oct. 26	·82
Yorkshire 2 N.R.	Felixkirk (Mount St. John) ..	Feb. 21	Mar. 8	16	1·98	..	..	..	..	Mar. 1	·35
		Oct. 24	Nov. 7	15	1·59	..	..	..	..	Nov. 2	·36
Cumberland 1	Geltsdale	Jan. 1	Jan. 16	16	2·21	..	..	..	..	Jan. 8	·75
		June 16	July 1	16	3·03	..	..	..	..	June 25	·72
		Sept. 12	Sept. 29	18	7·05	..	..	..	..	Sept. 20	1·60

* At least 15 days, each credited with ·01 in. or more.

† At least 15 days, each credited with ·04 in. or more.

Table X.—*Rain Spells and Wet Spells in* 1927—(*con.*).

County and River Division.		Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spell.	
			Began.	Ended.	Lasted.	Total Rain.	Began.	Ended.	Lasted.	Total Rain.	Date.	Rain.
ENGLAND AND WALES —(*con.*).					days	in.			days	in.		
Westmorland	2	Grasmere (The Wray)	30.xii.26	Jan. 16	18	5·92	..	..	..	..	Jan. 12	2·12
			Feb. 25	Mar. 11	15	6·46	..	..	..	..	Mar. 2	1·27
			June 16	July 1	16	5·75	..	..	..	..	June 23	1·17
			Sept. 16	Oct. 2	17	12·18	..	..	..	..	Sept. 20	2·65
			Oct. 24	Nov. 7	15	15·97	..	..	..	..	Oct. 28	2·74
Glamorgan	6	Treherbert (Tyn-y-waun)	Jan. 20	Feb. 5	17	9·85	..	..	..	..	Jan. 24	2·89
			Feb. 19	Mar. 11	21	8·26	Feb. 19	Mar. 6	16	8·12	Feb. 26	1·08
			June 16	July 15	30	10·56	..	..	..	..	July 4	1·48
			Aug. 6	Aug. 24	19	13·21	Aug. 6	Aug. 24	19	13·21	Aug. 14	1·32
			Sept. 8	Sept. 26	19	9·02	..	..	..	..	Sept. 21	1·58
Carmarthen	2	Carmarthen (The Friary)	Feb. 19	Mar. 9	19	4·17	Feb. 19	Mar. 6	16	4·09	Feb. 21	·57
			Mar. 21	Apr. 5	16	4·72	..	..	..	..	Mar. 22	·70
											Mar. 31	
			Sept. 6	Sept. 26	21	3·71	..	..	..	..	Sept. 21	·69
Pembrokeshire	4	Haverfordwest (Portfield)	Feb. 19	Mar. 6	16	3·44	..	..	..	..	Feb. 19	·57
			Sept. 6	Sept. 26	21	4·14	..	..	..	..	Sept. 14	·91
Cardiganshire	3	Lampeter (Falcondale)	Jan. 20	Feb. 3	15	3·71	..	..	..	..	Jan. 24	1·12
			Feb. 19	Mar. 9	19	5·87	..	..	..	..	Feb. 26	·78
			Aug. 6	Aug. 24	19	8·70	Aug. 6	Aug. 24	19	8·70	Aug. 15	1·46
Merioneth	4	Dolgelly (Bryntirion)	Feb. 19	Mar. 9	19	7·15	..	..	..	..	Feb. 20	1·39
			Mar. 21	Apr. 5	16	4·38	..	..	..	..	Mar. 23	1·04
			June 16	July 9	24	9·98	..	..	..	..	June 18	1·48
			Aug. 6	Aug. 24	19	7·53	Aug. 6	Aug. 24	19	7·53	Aug. 17	·77
			Sept. 10	Sept. 25	16	3·88	..	..	..	..	Sept. 21	·90
Anglesey	..	Llanerchymedd (Llwydiarth Esgob)	Feb. 19	Mar. 10	20	3·48	..	..	..	..	Feb. 28	·62
			Mar. 21	Apr. 5	16	3·84	..	..	..	..	Mar. 25	·82
			Aug. 6	Aug. 23	18	4·60	Aug. 6	Aug. 23	18	4·60	Aug. 6	·52
			Oct. 24	Nov. 9	17	6·37	Oct. 24	Nov. 9	17	6·37	Nov. 7	1·55

* At least 15 days, each credited with ·01 in. or more.

† At least 15 days, each credited with ·04 in. or more.

Table X.—*Rain Spells and Wet Spells in* 1927—(*con.*).

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spell.	
		Began.	Ended.	Lasted.	Total Rain.	Began.	Ended.	Lasted.	Total Rain.	Date.	Rain.
				days	in.			days	in.		in.
ISLE OF MAN	Douglas (Borough Cemetery) ..	June 16	July 7	22	5·57	..	..	..	..	June 16	1·33
CHANNEL ISLANDS											
Guernsey ..	St. Peter Port (Grange Road)	Feb. 19	Mar. 13	23	2·59	..	..	..	..	Feb. 23	·37
										Feb. 26	
SCOTLAND											
Wigtown ..3	Stoneykirk (Ardwell House) ..	Jan. 2	Jan 16	15	1·69	..	..	..	..	Jan. 7	·33
		June 16	July 7	22	4·63	..	..	..	..	June 16	·92
Selkirk ..2	Ettrick Manse	30.xii.26	Jan. 14	16	3·37	..	..	..	..	Jan. 12	1·17
		June 16	July 7	22	6·03	..	..	..	..	June 16	·84
Berwickshire4	Duns Castle	Nov. 1	Nov. 15	15	2·28	..	..	..	..	Nov. 6	·51
Lanark ..5	Strathaven (Dungavel)	27.xii.26	Jan. 16	21	5·04	30.xii.26	Jan. 14	16	4·77	Jan. 2	·71
										Jan. 8	
		Oct. 21	Nov. 7	18	10·57	..	..	..	..	Nov. 1	1·68
Ayrshire ..6	Turnberry Hotel	Jan. 1	Jan. 16	16	2·17	..	..	..	..	Jan. 6	·35
										Jan. 8	
Renfrew ..3	Greenock (Prospect Hill)	27. xii.26	Jan. 14	19	5·39	..	..	..	..	Jan. 11	·79
		Apr. 12	Apr. 26	15	3·02	..	..	..	..	Apr. 13	·90
		Oct. 21	Nov. 7	18	8·52	..	..	..	..	Nov. 1	1·30
		Nov. 13	Nov. 28	16	4·99	..	..	..	..	Nov. 18	1·13
Bute ..3	Dougarie Lodge	27.xii.26	Jan. 17	22	3·54	..	..	..	..	Jan. 12	·69
		Feb. 18	Mar. 9	20	2·67	..	..	..	..	Mar. 3	·49
		Oct. 21	Nov. 5	16	5·63	..	..	..	..	Nov. 1	1·04
Argyllshire 6	Dalmally (Manse of Glenorchy)	27.xii.26	Jan. 16	21	9·66	27.xii.26	Jan. 16	21	9·66	Jan. 12	1·36
		Apr. 9	Apr. 29	21	7·20	..	..	..	..	Apr. 13	1·74
		Oct. 21	Nov. 6	17	10·70	..	..	..	..	Oct. 24	1·80

*At least 15 days, each credited with ·01 in. or more.

† At least 15 days, each credited with ·04 in. or more.

Table X.—*Rain Spells and Wet Spells in* 1927—(*con.*).

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spell.	
		Began.	Ended.	Lasted.	Total Rain.	Began.	Ended.	Lasted.	Total Rain.	Date.	Rain.
SCOTLAND —(*con.*).				days	in.			days	in.		in.
Argyllshire **14**	Islay (Eallabus)	26.xii.26	Jan. 17	23	4·83	..	..	..	..	Jan. 12	·74
		Feb. 13	Mar. 9	25	3·81	Feb. 16	Mar. 5	18	·74	Feb. 13	·57
		Oct. 15	Nov. 11	28	7·06	Oct. 15	Nov. 7	24	·90	Oct. 31	1·05
Argyllshire **14**	Mull (Gruline)	25.xii.26	Jan. 18	25	9·64	27.xii.26	Jan. 12	17	·59	Jan. 12	2·24
		Feb. 13	Mar. 11	27	6·63	..	..	..	..	Feb. 23	1·33
		Apr. 10	May. 3	24	5·68	Apr. 10	Apr. 26	17	4·74	Apr. 13	1·32
		Aug. 4	Aug. 21	18	2·72	.	..	..	..	Aug. 8	·76
		Oct. 20	Nov. 16	28	8·98	Oct. 21	Nov. 6	17	7·43	Oct. 31	1·08
Argyllshire **14**	Tiree (Cornaigmore Sch.)	Jan. 1	Jan. 18	18	3·29	..	..	..	..	Jan. 12	·69
		Oct. 21	Nov. 16	27	6·83	..	..	..	..	Oct. 26	·94
Perthshire **11**	Aberfeldy (Dall Avon)	Sept. 19	Oct. 3	15	5·20	..	..	..	..	Sept. 22	1·37
Kincardine **3**	Banchory (Invercannie)	Nov. 6	Nov. 23	18	3·66	..	..	..	..	Nov. 6	·69
Aberdeen **..1**	Balmoral Castle Gardens.....	April 20	May 5	16	2·31	..	..	..	..	May 4	·64
		May 26	June 13	19	1·98	..	..	..	..	June 7	·48
		Sept. 16	Oct. 3	18	4·83	..	..	..	..	Sept. 22	1·58
Aberdeen **..4**	Peterhead (Forehill Works)....	Mar. 29	April 16	19	2·27	..	..	..	..	April 4	·35
		Nov. 4	Nov. 23	20	3·08	..	..	..	..	Nov. 22	·38
Moray **....2**	Gordon Castle	Sept. 16	Oct. 3	18	5·33	..	..	..	..	Sept. 22	1·81
		Oct. 21	Nov. 21	32	4·77	..	..	..	..	Nov. 1	·64
Inverness **..3**	Cluny Castle	Sept. 19	Oct. 3	15	4·84	..	..	..	..	Sept. 22	·88
		Oct. 20	Nov. 10	22	6·04	..	..	..	..	Oct. 26	·79
Inverness **17**	Fort William	27 xii. 26	Jan. 14	19	7·32	27.xii.26	Jan. 14	19	7·32	Jan. 2	1·08
		July 20	Aug. 5	17	3·82	..	..	..	..	July 20	·92
		Sept. 15	Oct. 3	19	6·81	..	..	..	..	Sept. 28	1·73
		Oct. 21	Nov. 9	20	9·89	..	..	..	..	Nov. 1	1·22
Inverness **18**	Skye (Portree)	26 xii. 26	Jan. 18	24	6·74	26.xii.26	Jan. 18	24	6·74	Jan. 2	1·04
		April 4	April 30	27	8·48	April 4	April 26	23	7·21	April 12	·84
		Oct. 21	Nov. 16	27	11·86	..	..	..	..	Oct. 22	1·35

* At least 15 days, each credited with ·01 in. or more.

† At least 15 days, each credited with ·04 in. or more.

Table X.—*Rain Spells and Wet Spells in* 1927—(*con.*).

County and River Division.	Station.	Rain Spells.* Began.	Ended.	Lasted.	Total Rain.	Wet Spells.† Began.	Ended.	Lasted.	Total Rain.	Max. in a Day during Rain Spell. Date.	Rain.
SCOTLAND —(*con.*).				days	in.			days	in.		in.
Ross and Cromarty. **3**	Fortrose	June 14	June 28	15	1·39	..	..	..	..	June 25	·40
		Oct. 21	Nov. 12	23	4·48	..	..	..	..	Oct. 22	·61
Ross and Cromarty. **8**	Loch Torridon (Bendamph) ..	27.xii.26	Jan. 13	18	7·82	27.xii.26	Jan. 13	18	7·82	Jan. 2	1·23
		Oct. 22	Nov. 10	20	9·33	Oct. 22	Nov. 10	20	9·33	Oct. 26	·95
Ross and Cromarty. **10**	Stornoway	26.xii.26	Jan. 18	24	4·74	..	..	..	..	Jan. 6	·50
		Jan. 20	Feb. 4	16	4·39	Jan. 20	Feb. 4	16	4·39	Jan. 26	·90
		April 1	April 30	30	6·47	..	..	..	..	April 29	·89
		Sept. 5	Sept. 19	15	3·30	..	..	..	..	Sept. 8	1·07
		Oct. 26	Nov. 10	16	6·16	..	..	..	..	Oct. 30	·88
Sutherland 1	Lairg	Feb. 20	Mar. 6	15	1·11	..	..	..	..	Feb. 21	·19
		April 3	May 5	33	5·58	April 12	April 29	18	4·28	April 20	·54
Sutherland **5**	Loch More (Achfary)	26.xii.26	Jan. 14	20	14·40	..	..	..	..	27.xii.26	1·76
		Jan. 23	Feb. 7	16	4·48	Jan. 23	Feb. 7	16	4·48	Jan. 27	·73
		April 12	April 29	18	11·98	April 12	April 29	18	11·98	April 20	1·86
		May 25	June 28	35	7·79	..	..	..	..	June 27	1·36
		Oct. 22	Nov. 16	26	12·16	Oct. 22	Nov. 10	20	10·82	Nov. 3	1·11
Caithness .. **3**	Thurso (Buckies)	Oct. 12	Nov. 1	21	5·37	..	..	..	..	Oct. 26	·79
IRELAND.											
Co. Cork .. **6**	Dunmanway (The Rectory) ..	Jan. 19	Feb. 7	20	5·50	..	..	..	..	Jan. 24	1·21
		Feb. 20	Mar. 6	15	3·85	..	..	..	..	Mar. 3	·77
		Mar. 21	April 11	22	4·18	..	..	..	..	Mar. 24	·64
		Dec. 1	Dec. 17	17	4·72	..	..	..	..	Dec. 16	1·29
Co. Cork .. **7**	Glanmire (Lota Lodge)	Mar. 21	April 5	16	3·52	..	..	..	..	Mar. 24	·55
		Oct. 23	Nov. 6	15	3·73	..	..	..	..	Nov. 2	·62

* At least 15 days, each credited with ·01 in. or more.

† At least 15 days, each credited with ·04 in. or more.

Table X.—*Rain Spells and Wet Spells in* 1927—(*con.*).

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spell.	
		Began.	Ended.	Lasted.	Total Rain.	Began.	Ended.	Lasted.	Total Rain.	Date.	Rain.
IRELAND —(*con.*).				days	in.			days	in.		in.
Co. Kerry ..3	Cahirciveen (Valentia Obs.) ..	28.xii.26	Feb. 5	40	7·35	..	..	..	..	Jan. 24	·87
		Feb. 24	Mar. 11	16	3·52	..	..	..	..	Feb. 27	·84
		Mar. 21	April 11	22	4·11	..	..	..	..	Mar. 28	·64
		Aug. 9	Aug. 28	20	4·43	..	..	..	..	Aug. 19	1·10
		Oct. 24	Nov. 7	15	4·76	..	..	..	..	Oct. 27	·62
Co. Kerry ..3	Killarney (District Asylum) ..	Jan. 10	Feb. 5	27	8·46	..	..	..	..	Jan. 25	1·48
		Feb. 24	Mar. 10	15	4·17	Feb. 24	Mar. 10	15	4·17	Mar. 4	·91
		Oct. 15	Nov. 6	23	6·40	..	..	..	..	Nov. 2	·90
Co. Water- 3 ford.	Waterford (Brook Lodge)	Aug. 6	Aug. 24	19	3·96	..	..	..	..	Aug. 8	·74
										Aug. 19	
Co.Tipperary1	Nenagh (Castle Lough)	Feb. 24	Mar. 10	15	2·02	..	..	..	..	Feb. 26	·48
		Mar. 21	April 8	19	3·96	..	..	..	..	Mar. 31	·93
		Aug. 9	Aug. 24	16	3·43	..	..	..	..	Aug. 19	·48
										Aug. 21	
Co.Tipperary3	Cashel (Ballinamona)	Feb. 24	Mar. 10	15	2·73	..	..	..	..	Feb. 28	·47
		Mar. 21	April 9	20	3·07	Mar. 21	April 4	15	2·87	Mar. 28	·50
		Sept. 12	Sept. 26	15	1·51	..	..	..	..	Sept. 22	·24
Co.Limerick 2	Foynes (Coolnanes)	Feb. 24	Mar. 10	15	2·17	..	..	..	..	Feb. 26	·50
		Mar. 21	April 8	19	4·04	..	..	..	..	Mar. 25	·58
Co. Dublin..2	Dublin (Fitzwilliam Square) ..	Feb. 24	Mar. 10	15	1·99	..	..	..	..	Feb. 28	·55
		Sept. 16	Oct. 2	17	2·37	..	..	..	..	Sept. 28	·45
Co. Meath ..4	Kells (Headfort)	Feb. 24	Mar. 10	15	2·27	..	..	..	..	Feb. 28	·44
		Oct. 19	Nov. 6	19	4·18	..	..	..	..	Oct. 21	·53
Co. West- 1 Meath	Moate (Coolatore)	Feb. 24	Mar. 10	15	2·13	..	..	..	..	Feb. 28	·60
		Aug. 13	Aug. 27	15	4·20	..	..	..	..	Aug. 15	·91
		Oct. 20	Nov. 6	18	3·44	..	..	..	..	Oct. 25	·94

*At least 15 days, each credited with ·01 in. or more.

† At least 15 days, each credited with ·04 in. or more.

Table X.—*Rain Spells and Wet Spells in* 1927—(*con.*).

County and River Division.	Station.	Rain Spells.* Began.	Ended.	Lasted.	Total Rain.	Wet Spells.† Began.	Ended.	Lasted.	Total Rain.	Max. in a Day during Rain Spell. Date.	Rain.
IRELAND —(*con.*).				days	in.			days	in.		in.
Co. Longford 2	Castle Forbes Gardens.....	Jan. 2	Jan. 17	16	1·81	..	..	..	..	Jan. 12	·51
		Feb. 18	Mar. 10	21	3·71	..	..	..	..	Feb. 20	·40
		Mar. 21	April 7	18	2·98	..	..	..	..	Mar. 25	·57
		Oct. 18	Nov. 7	21	4·11	..	..	..	..	Oct. 25	·64
Co. Galway 3	Ballynahinch Castle.....	26.xii.26	Jan. 17	23	5·01	Jan. 1	Jan. 17	17	4·67	Jan. 11	·56
		Jan. 19	Feb. 10	23	5·67	..	..	..	..	Feb. 2	·61
		Mar. 17	April 27	42	7·97	Mar. 18	April 8	22	6·54	Mar. 31	·80
		June 15	June 30	16	3·74	..	..	..	..	June 15	·92
		Aug. 13	Aug. 29	17	6·93	..	..	..	..	Aug. 13	1·12
		Sept. 15	Oct. 4	20	7·64	..	..	..	..	Sept. 20	1·52
		Oct. 15	Nov. 4	21	6·58	Oct. 20	Nov. 4	16	6·17	Nov. 2	·98
Co. Mayo ..4	Mallarany	28.xii.26	Jan. 17	21	5·47	Jan. 1	Jan. 17	17	5·22	Jan. 12	·78
		Feb. 18	Mar. 10	21	6·42	Feb. 18	Mar. 10	21	6·42	Feb. 22	·76
		Mar. 21	April 10	21	5·28	..	..	..	..	Mar. 31	·73
		Aug. 13	Aug. 28	16	7·13	..	..	..	..	Aug. 14	2·73
		Oct. 19	Nov. 12	25	8·21	Oct. 23	Nov. 10	19	7·47	Nov. 2	·80
Co. Sligo ..2	Collooney (Markree Obs.)	Jan. 11	Jan. 31	21	7·92	Jan. 11	Jan. 31	21	7·92	Jan. 26	1·45
		Feb. 18	Mar. 9	20	3·90	..	..	..	..	Feb. 22	·50
		Mar. 24	April 7	15	2·64	..	..	..	..	Mar. 28	·34
Co. Cavan ..1	Belturbet (Cloverhill)	Mar. 24	April 8	16	2·78	..	..	..	..	Mar. 25	·68
		Oct. 28	Nov. 11	15	1·35	..	..	..	..	Nov. 5	·31
Co. Antrim 5	Ballymena (Harryville)	Oct. 15	Nov. 6	23	4·85	..	..	..	..	Oct. 24	·66
Co. Tyrone 3	Omagh (Edenfel)	Jan. 11	Jan. 31	21	3·74	..	..	..	..	Jan. 27	·76
		June 15	June 30	16	2·92	..	..	..	..	June 28	·63
		Oct. 21	Nov. 7	18	4·33	..	..	..	..	Oct. 23	·50

*At least 15 days, each credited with ·01 in. or more.

† At least 15 days, each credited with ·04 in. or more.

Table X.—*Rain Spells and Wet Spells in* 1927—(*con.*).

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spell.	
		Began.	Ended.	Lasted.	Total Rain.	Began.	Ended.	Lasted.	Total Rain.	Date.	Rain.
				days	in.			days	in.		in.
Co. Donegal **3**	Milford (The Manse).....	Jan. 10	Jan. 31	22	5·70	..	..	..	..	Jan. 26	·87
		Mar. 24	April 11	19	2·45	..	..	..	..	Mar. 30	·36
		Sept. 10	Oct. 2	23	5·28	..	..	..	..	Sept. 28	·72
		Oct. 13	Nov. 11	30	5·82	Oct. 24	Nov. 11	19	4·22	Nov. 6	·59
		Nov. 13	Nov. 28	16	1·81	..	..	..	..	Nov. 14	·46
Co. Donegal **5**	Killybegs (Rockmount)	27.xii.26	Jan. 31	36	11·15	30.xii.26	Jan. 17	19	5·75	Jan. 26	1·20
		Mar. 24	April 18	26	5·41	..	..	..	..	April 13	·71
		Sept. 15	Oct. 2	18	5·98	..	..	..	..	Sept. 28	1·54
		Oct. 15	Nov. 11	28	6·70	..	..	..	..	Nov. 5	·80

* At least 15 days, each credited with ·01 in. or more.

† At least 15 days, each credited with ·04 in. or more.

5. DURATION OF RAINFALL IN 1927.

The duration of rainfall discussed in this section is defined as the length of time during which rain is falling at a rate not less than 0·1 mm. per hour, *i.e.* 0·004 in. per hour. The tabulations at all the official stations are made according to this convention.

The list of stations reporting duration of rainfall for 1927 is practically the same as that for last year. The distribution of the stations in operation at the end of that year was shown by a map in *British Rainfall*, 1926, p. 36. Central Ireland and northern Scotland are still but sparsely represented, while records of duration from some of the very wet stations in central and northern Wales or the English Lake District would also be particularly valuable. An additional record for Deptford is included in Table XI, so that the duration in the greater London area is now well defined by the five records at Camden Square, Deptford, Croydon, Kew and Kingston. An additional record is also included from Dover, while the records from Bidston Observatory near Liverpool, and Boghall to the south of Edinburgh have temporarily dropped out of the table.

Only one record is published for Plymouth, *viz.*, that at Freedom Park. This duration record is practically identical with those from Cattewater and The Hoe, although the computed mean rates per hour show considerable discrepancies, being ·062 inch, ·052 inch and ·057 inch respectively. This is apparently accounted for by the better exposure of the raingauge at Freedom Park.

It is of interest to examine the duration of the rainfall at different places on the same day, as shown in Table XI. Since *British Rainfall*, 1923, the figures for some of the conspicuously wet days have been given. The rainfall of most of these days is considered from another aspect in Section 7, *Heavy Falls on Rainfall Days*. The duration is

least in the fourth column of figures, which represents the rainfall of August Bank Holiday. It was only in the east and south-east of England that the duration exceeded 5 hours, and there was no rain at most of the stations in Table XI outside this area. At Camden Square (London) rain commenced about 9.30* in the morning and continued until 7.30 in the evening, with breaks of about half-an-hour at 11 a.m. and 6 p.m., and a break of 1½ hours between 1 and 2.30 p.m. So far as Londoners and those in the south-east of England were concerned this rain, which only amounted to ·29 inch, was sufficient to prevent any outdoor recreation on that day. On November 1st rain was general, so that all stations recorded at least 2 hours of rain. On September 14th 21 hours of rain were recorded at Rothamsted, Sutton Bonington and Cray Reservoir, and no rain at many stations in Scotland and Ireland.

The amounts for December 25th and 26th cover the duration of snow and rain. The duration during these two days was more than 25 hours in the south-east of England, but there was no rain or snow at all at certain stations in the Midlands as well as in Scotland and Ireland. Particulars of the Christmas Snowstorm will be found in Section 7.

The greatest duration of rainfall for the year, shown in Table XII, was 1,539 hours, or a mean of 4·2 hours per day throughout the year, at Cray Reservoir, the source of much of the water supply of Swansea. The next largest values were those of 1,498 hours at Blackwater Dam, on the borders of Argyllshire and Inverness in Glenleven, and of 1,403 hours at Glenedra Lodge in the mountains of Londonderry.

The minimum duration for the year, 451 hours, occurred at Nottingham, but Felixstowe Aerodrome followed closely with 480 hours.

The mean rate of rainfall, shown in Table XIII, is computed by comparing the total rainfall for the month or year with the duration shown in the previous Table. In general the highest values occur in the summer months. Thus mean rates of ·10 inch per hour or more occur in Table XIII mainly in the months June, July and August, and rates less than ·03 inch per hour in January, February, November and December. The intensity of the rainfall at West Bromwich during July was noteworthy, as much as 7·55 inches falling during 32 hours of rain during that month, corresponding with a mean rate of ·237 inch per hour of rain. On the other hand, at Aldergrove Aerodrome to the west of Belfast the 1·32 inch of rain during February fell at an unusually light rate, the mean rate being only ·020 inch per hour.

The mean rate per hour for the whole year varied from ·073 inch per hour at Earby Sewage Works near Skipton to ·038 inch per hour at Aldergrove Aerodrome.

* All times specified are referred to G.M.T.

For comparison, the mean values of the duration of rainfall and the rainfall at Camden Square (London) for the 35 years 1881 to 1915 are set out below :—

Rainfall and duration of Rainfall, Camden Square (London), 1881–1915.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Rainfall (inches).	1·86	1·67	1·83	1·54	1·76	2·02	2·38	2·21	1·82	2·63	2·36	2·39	24·47
Duration (hours).	42·9	39·1	43·6	31·0	29·5	29·9	26·6	28·0	25·5	45·1	46·9	48·8	436·9
Mean rate (inches per hour)	·043	·043	·042	·050	·059	·068	·090	·079	·071	·058	·050	·049	·056

It will be seen that in London on the average the rate of the rain of the six months May to October exceeds that for the whole year, while that of the remaining months is much smaller. The rainfall is usually most intense in July and least intense in January, February and March. While the spring months are the months of least rainfall in London, the duration of rainfall in these months is greater than in the summer. September is the month with fewest hours of rain in London and July ranks next. The wettest months, October, November and December, have also the longest duration of rainfall.

The duration of rainfall during 1927 at Camden Square was in excess of the average by 131 hours, or 30 per cent. Since 1922 the duration in each year has exceeded the average, and the accumulated excess in the last six years is 456 hours, or rather more than the average duration for a whole year.

Table XI.—*Rainfall Duration. Certain Days in 1927.*

*The periods of 24 hours to which these values refer commence at 9 a.m. G.M.T. on the dates stated, for all stations except those marked * for which they commence at 7 a.m. G.M.T.*

County.	Station.	Jan. 28	Mar. 26	July 6	Aug. 1	Aug. 15	Sept 13	Sept 14	Sept 22	Nov. 1	Nov. 2	Dec. 24	Dec. 25	Dec. 26
		hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
London	Deptford	4	1	8	7	8	2	19	2	6	1	5	(21)	(5)
,, ...	Camden Square	4	0	9	7	11	4	19	5	5	1	3	(21)	(5)
Surrey	Croydon*	4	1	8	6	10	3	18	4	7	2	4	(23)	(18)
,, ...	Kingston.....	(6)	(1)	(5)	6	5	3	(19)	(6)	(7)	1	4	(12)	(2)
,, ...	Kew Obsy.*.....	5	†	6	5	8	3	17	4	6	1	1	17	10
Kent	Dover	1	†	9	5	3	5	16	2	2	†	7	14	19
,, ...	Lympne*	1	1	7	6	3	5	14	†	7	1	5	15	23
Sussex	Eastbourne.....	(1)	1	5	7	2	5	14	2	4	†	6	9	19
,, ...	Hellingly*.....	1	2	7	4	3	5	17	2	6	0	8	14	22
Hampshire ..	Calshot*	2	1	†	6	1	4	14	1	4	†	2	(15)	(10)
,, ..	Worthy Down*	7	1	†	8	6	4	19	4	12	2	5	(19)	(8)
,, ..	Petersfield	5	2	2	7	3	6	16	3	12	†	7	(20)	(9)
,, ..	South Farnborough*	5	2	2	9	6	4	19	5	7	1	2	(22)	(11)
Middlesex ...	Palmers Green	6	0	9	8	9	3	19	4	7	0	2	(20)	(5)
Hertford	Rothamsted	12	1	10	6	(9)	4	(21)	3	6	1	4	(13)	†
Suffolk	Copdock	1	0	9	11	1	5	18	1	7	1	†	24	2
,, ...	Felixstowe*	†	†	8	10	1	3	15	0	4	1	2	15	5
Devon	Plymouth Park	11	1	1	†	1	3	18	3	8	1	5	16	8
Cornwall	Falmouth Obsy.	14	3	4	0	†	4	10	4	12	0	6	11	0
Stafford.....	West Bromwich	15	1	†	0	5	2	16	3	7	0	8	2	†
,, ...	Ashbourne	9	4	9	0	1	11	19	7	11	1	11	0	0
Lincoln.....	Cranwell*	15	1	9	4	1	8	18	7	5	0	22	10	0
Nottingham ..	Sutton Bonington ..	13	†	10	..	..	9	21	7	10	0	4	0	0
,, ..	Nottingham.....	10	0	11	0	3	5	19	4	7	0	15	13	0
,, ..	Hodsock Priory	6	4	9	0	4	10	16	6	5	1	19	2	0
Lancashire ...	Bolton	5	17	8	0	8	15	2	20	13	7	11	†	0
,, ..	Leyland	4	15	8	1	1	13	7	13	13	(7)	11	0	(2)
,, ..	Southport.....	3	13	8	0	1	9	5	7	12	5	13	0	0
,, ..	Lancaster.....	2	4	8	0	6	9	4	5	15	13	5	0	1
Yorks, W.R.	Rotherham	4	5	9	1	7	19	12	8	5	1	11	2	0
,, ,,	Haworth	6	11	7	0	3	1	4	17	14	9	21	1	†
,, ,,	Earby	5	5	7	0	2	19	2	5	11	9	11	†	0
,, ,,	Skipton	7	3	7	0	2	18	0	4	7	5	14	0	0
,, N.R.	Felixkirk	5	3	7	0	3	18	1	13	7	5	(11)	(2)	2
Durham	Sunderland	5	3	8	0	3	17	†	13	7	5	(11)	(2)	3
Glamorgan ..	Swansea	14	1	1	0	11	2	13	5	18	6	2	7	0
Brecon	Cray Reservoir	13	15	2	2	22	4	21	7	21	17	2	15	0
Flint	Sealand*	7	11	1	1	2	3	10	9	6	1	19	0	0
Anglesey	Holyhead*	7	8	0	0	6	3	2	1	13	6	5	1	0
Dumfries	Eskdalemuir Obsy...	9	2	5	2	5	10	1	8	23	9	1	9	3
Renfrew	Renfrew*	1	2	2	0	2	6	0	18	13	6	0	0	0
,, ...	Greenock	4	3	3	1	1	8	0	17	13	7	0	0	0
Argyll	Blackwater Dam ...	9	2	0	3	0	2	0	11	21	6	†	0	0
Fife	Leuchars*	2	0	0	†	4	0	0	20	9	2	(1)	(3)	0
Aberdeen	Aberdeen	2	2	0	0	0	(1)	†	23	7	0	(1)	(7)	(1)
Shetland	Lerwick.....	5	3	0	0	0	†	0	2	5	1	(1)	0	(1)
Co. Cork	Cork	7	1	1	1	0	4	8	3	9	12	0	0	0
Co. Kerry ...	Valentia Obsy.*	5	2	1	1	1	7	3	1	9	11	0	0	0
Co. Armagh ..	Armagh Obsy.....	5	0	1	†	12	4	1	†	5	5	15	0	0
Co. Antrim ..	Aldergrove*.....	4	4	0	1	9	10	1	1	12	4	16	5	0
Co. Derry	Glenedra Lodge	1	4	2	3	19	4	0	7	10	10	9	0	0

† In these cases the duration of rainfall is small, being less than ·5hr.
Figures within brackets indicate evaluations partly estimated.

Table XII.—*Duration of Rainfall at 50 Stations in the British Isles during* 1927.

For the purposes of this table the month commences either at 7 a.m. or 9 a.m. G.M.T. on the first day of the month and ends at the same hour on the first day of the following month.

County and River Division.	Station.	Pattern of Gauge.	Height above Sea.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	rs.
London 1	Deptford Pumping Station.	Hyet.	18	31	57	41	26	19	43	37	60	55	24	37	90	520
,, ...2	St. Pancras (Camden Square)	Hyet.	111	36	57	45	35	19	46	40	65	66	31	48	80	568
Surrey 4	Croydon Aerodrome	Hyet.	245	45	68	51	32	15	46	41	54	67	39	61	115	634
,, ...5	Kingston Sewage Works.....	Casella	25	43	62	44	30	19	50	35	61	73	33	54	75	579
,, ...5	Richmond (Kew Obsy.)	Beckley	18	40	59	42	33	22	37	30	52	58	31	46	80	530
Kent 1	Dover (Waterloo Crescent)	Hyet.	22	48	54	47	42	9	55	50	46	45	39	53	75	563
,, ...2	Lympne Aerodrome	Hyet.	348	58	72	61	37	10	54	51	53	48	43	67	101	655
Sussex 5	Eastbourne (Wilmington Sq.)	Hyet.	59	44	45	69	34	12	34	33	47	60	35	63	82	558
,, ...5	Hellingly (Burlow).....	Hyet.	209	48	66	77	49	16	60	52	58	56	61	77	108	728
Hampshire .4	Calshot (Seaplane Station)...	Hyet.	8	40	83	48	31	14	37	39	49	64	36	63	55	569
,, ...5	Winchester (Worthy Down)	Hyet.	273	69	84	74	44	18	33	57	59	80	47	97	100	762
,, ...6	Petersfield (Stoner Hill).....	Hyet.	749	79	97	124	59	22	47	58	69	89	72	97	96	909
,, ...8	South Farnborough (R.A.E.)	Hyet.	230	43	77	69	50	28	55	39	65	73	45	92	90	726
Middlesex ...2	Palmers Grn.(Broomfield Pk.)	Casella	138	36	63	44	32	16	40	35	67	62	32	57	77	561
Herts 2	Harpenden (Rothamsted) ...	Hyet.	420	43	72	51	38	21	44	32	49	65	46	65	68	594
Suffolk 2	Ipswich (Rookwood,Copdock)	Casella	164	32	56	50	40	10	56	35	33	59	36	65	64	536
,, ...3	Felixstowe Aerodrome	Hyet.	15	32	60	48	37	14	47	38	30	47	31	51	45	480
S. Devon 2	Plymouth (Freedom Park)...	Hyet.	208	82	56	68	55	15	53	61	45	98	52	79	87	751
Cornwall 2	Falmouth Observatory	Beckley	167	126	73	79	56	18	51	65	59	107	55	92	79	860
Stafford 3	West Bromwich	Hyet.	543	44	52	37	38	26	69	32	40	60	41	75	40	554
,, ...5	Ashbourne (Mayfield House)	Casella	374	77	61	74	66	35	93	41	58	102	68	99	57	831
Lincoln 3	Cranwell Aerodrome	Hyet.	237	43	51	34	40	18	47	29	35	83	41	76	78	575
Nottingham 2	Sutton Bonington (Agri. Coll.)	Hyet.	159	42	44	36	38	35	54	...	...	93	41	85	57	...
,, 5	Nottingham (Trent Lane) ...	Halliwell	83	27	33	31	31	16	40	25	27	64	33	56	68	451
,, 5	Worksop (Hodsock Priory)...	Halliwell	56	33	41	35	36	25	38	24	45	78	39	63	56	515

Table XII.—*Duration of Rainfall at* 50 *Stations in the British Isles during* 1927—(*con.*).

County and River Division.	Station.	Pattern of Gauge.	Height above Sea.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
S. Lancs.....3	Bolton (Queen's Park)	Fernley	342	75	49	86	65	34	69	49	97	90	75	83	34	806
C. Lancs. ...2	Leyland (Worden Hall)	Fernley	125	89	50	81	48	32	56	54	77	109	58	84	44	782
,, ...3	Southport (Hesketh Park) ...	Fernley	39	70	42	56	29	26	49	43	74	86	47	70	38	630
N. Lancs.....4	Lancaster (Greg Observatory)	Beckley	312	85	59	67	40	41	52	65	88	119	68	73	24	781
W.R. Yorks.7	Rotherham (Aldwarke Sewage Works)	Hyet.	71	35	44	49	55	31	51	29	69	88	56	67	49	623
,, 9	Haworth (Lower Laithe Res.)	Hyet.	772	112	51	82	72	45	68	59	106	118	98	116	50	977
,, 9	Earby (Sewage Works) ...	Hyet.	426	81	31	48	44	27	55	37	75	82	48	67	22	617
,, 9	Skipton (Town Hall)	Hyet.	368	80	41	57	61	21	54	45	75	91	58	61	39	683
N.R. Yorks.2	Felixkirk (Mount St. John)	Halliwell	542	61	40	49	33	46	63	53	92	108	59	85	59	748
,, 2	Felixkirk (Mount St. John)...	Casella	542	67	42	50	35	46	62	53	96	108	60	84	61	764
Glamorgan .3	Swansea (Victoria Park)	Hyet.	28	81	81	74	37	28	55	63	84	106	48	92	62	811
Brecon 7	Cray Reservoir	Halliwell	1044	133	143	133	73	44	99	128	226	160	141	140	119	1539
Flint.....1	Sealand Aerodrome.....	Hyet.	17	84	70	78	47	35	88	51	87	83	59	88	56	826
Anglesey	Holyhead (Salt Island)	Hyet.	26	67	77	86	28	39	61	41	69	56	53	90	48	715
Dumfries ...5	Eskdalemuir Observatory'...	Beckley	794	155	92	113	92	82	101	90	113	155	126	125	59	1303
Renfrew.....2	Renfrew Aerodrome	Hyet.	3	117	71	83	66	69	89	62	79	130	82	91	55	994
,, ...3	Greenock (Prospect Hill)	Hyet.	200	170	70	93	79	75	79	60	74	135	89	126	41	1091
Argyll 4	Glenleven (Blackwater Dam)	Hyet.	1072	259	102	152	159	84	107	60	122	134	120	163	36	1498
Fife 3	Leuchars	Hyet.	40	64	42	47	26	50	49	40	82	104	75	63	64	706
Aberdeen ...2	Aberdeen (King's College) ...	Beckley	48	48	60	50	50	67	55	33	38	87	70	100	92	750
Shetland 3	Lerwick Observatory	Dines	269	119	97	93	116	55	67	31	23	54	72	84	36	847
Cork 7	Cork (University College) ...	Hyet.	66	76	58	86	28	29	52	56	53	66	61	70	123	758
Kerry 3	Valentia Observatory	Beckley	42	76	70	80	29	33	75	74	79	111	70	90	110	897
Armagh.....5	Armagh Observatory	Beckley	209	77	49	69	35	27	69	45	60	88	67	99	65	750
Antrim 5	Aldergrove Aerodrome.....	Hyet.	239	89	64	66	51	44	84	64	71	107	65	118	79	902
Londonderry5	Glenedra Lodge	Hyet.	950	166	80	129	87	54	131	97	119	173	137	153	77	1403

Table XIII.—*Mean Rate of Rainfall per hour during* 1927.

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.
London 1	Deptford (Pumping Station)	·051	·057	·051	·067	·058	·056	·059	·054	·069	·048	·058	·037	·054
,, ...2	St. Pancras (Camden Square)	·050	·058	·058	·059	·067	·061	·081	·061	·073	·042	·054	·052	·060
Surrey 4	Croydon Aerodrome	·052	·064	·050	·057	·068	·063	·065	·070	·079	·034	·042	·037	·055
,, ...5	Kingston Sewage Works	·046	·065	·069	·055	·084	·068	·084	·073	·064	·036	·071	·045	·062
,, ...5	Richmond (Kew Observatory)	·048	·057	·054	·052	·050	·071	·096	·078	·077	·042	·058	·046	·061
Kent 1	Dover (Waterloo Crescent)	·047	·072	·057	·041	·061	·080	·117	·082	·068	·036	·056	·063	·066
,, ...2	Lympne Aerodrome	·041	·055	·059	·041	·082	·083	·097	·088	·069	·035	·050	·045	·060
Sussex 5	Eastbourne (Wilmington Sq.)	·069	·068	·055	·059	·081	·101	·077	·088	·093	·043	·054	·057	·068
,, ...5	Hellingly (Burlow)	·049	·053	·051	·042	·057	·081	·056	·086	·089	·039	·050	·046	·058
Hampshire 4	Calshot (Seaplane Station)	·049	·042	·064	·054	·037	·057	·059	·070	·084	·046	·040	·062	·055
,, ...5	Winchester (Worthy Down).....	·035	·054	·053	·040	·050	·073	·067	·058	·078	·041	·040	·048	·053
,, ...6	Petersfield (Stoner Hill)	·044	·062	·043	·048	·048	·082	·060	·071	·084	·045	·049	·066	·058
,, ...8	South Farnborough (R.A.E.)	·041	·057	·048	·049	·042	·052	·100	·050	·074	·030	·041	·051	·053
Middlesex 2	Palmers Green (Broomfield Pk.).....	·047	·056	·054	·059	·082	·076	·066	·057	·076	·061	·037	·051	·058
Herts 2	Harpenden (Rothamsted)	·051	·053	·044	·045	·053	·077	·092	·085	·082	·047	·046	·046	·059
Suffolk 2	Ipswich (Rookwood, Copdock)	·041	·046	·047	·050	·069	·081	·094	·117	·063	·051	·039	·035	·058
,, ...3	Felixstowe Aerodrome	·030	·039	·042	·046	·078	·081	·087	·106	·054	·045	·038	·051	·055
S. Devon.....2	Plymouth (Freedom Park)	·066	·085	·048	·048	·038	·060	·066	·082	·067	·057	·049	·062	·062
Cornwall 2	Falmouth Observatory.....	·056	·041	·051	·049	·036	·067	·041	·068	·053	·045	·047	·054	·051
Stafford.....3	West Bromwich.....	·061	·052	·066	·043	·080	·068	·237	·100	·070	·039	·051	·057	·071
,, ...5	Ashbourne (Mayfield House)	·037	·031	·049	·045	·043	·068	·061	·069	·045	·039	·039	·036	·047
Lincoln 3	Cranwell Aerodrome	·034	·030	·049	·040	·048	·062	·065	·088	·055	·047	·039	·038	·048
Nottingham ...2	Sutton Bonington Agricultural Coll.	·036	·035	·053	·043	·034	·064	...	...	·044	·050	·028	·038	...
,, ...5	Nottingham (Trent Lane)	·052	·051	·074	·062	·056	·105	·100	·125	·065	·061	·043	·039	·066
,, ...5	Worksop (Hodsock Priory)	·040	·039	·057	·049	·044	·077	·099	·083	·054	·044	·036	·042	·053

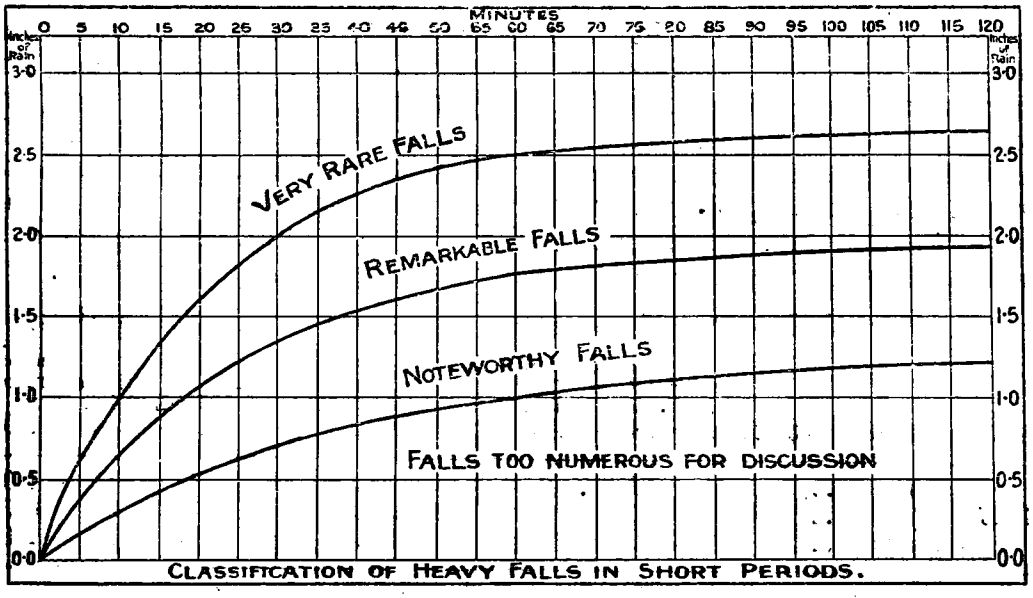
Table XIII.—*Mean Rate of Rainfall per hour during* 1927—(*con.*).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.
S. Lancs.....3	Bolton (Queen's Park)	.072	·043	·074	·044	·040	·080	·075	·076	·078	·057	·057	·045	·065
C. Lancs. 2	Leyland (Worden Hall)	.039	·039	·046	·042	·046	·065	·075	·064	·062	·057	·052	·028	·052
,, ...3	Southport (Hesketh Park)	·054	·045	·063	·037	·046	·063	·067	·070	·059	·065	·061	·032	·058
N. Lancs. 4	Lancaster (Greg Observatory)	·052	·054	·057	·054	·053	·071	·065	·080	·065	·062	·075	·050	·063
W.R. Yorks ...7	Rotherham(Aldwarke SewageWorks)	·036	·026	·044	·034	·034	·050	·098	·070	·043	·033	·040	·046	·045
,, ...9	Haworth (Lower Laithe Res.).....	·045	·048	·058	·054	·037	·056	·052	·067	·051	·058	·052	·050	·053
,, ...9	Earby (Sewage Works)	·051	·053	·072	·067	·056	·066	·117	·094	·068	·102	·069	·069	·073
,, ...9	Skipton (Town Hall)	·039	·033	·050	·045	·056	·053	·109	·071	·051	·065	·061	·032	·055
N.R. Yorks. ...2	Felixkirk (Mt. St. John) Halliwell...	·041	·031	·046	·045	·038	·051	·086	·063	·049	·043	·038	·034	·048
,, ...2	Felixkirk (Mt. St. John) Casella.....	·036	·033	·047	·043	·039	·052	·087	·061	·049	·042	·039	·032	·047
Glamorgan 3	Swansea (Victoria Park)	·070	·057	·066	·052	·073	·077	·069	·084	·068	·063	·059	·059	·067
Brecon 7	Cray Reservoir	·070	·052	·062	·039	·060	·069	·067	·053	·059	·066	·049	·043	·058
Flint 1	Sealand Aerodrome.....	·029	·020	·045	·041	·035	·048	·058	·054	·053	·040	·035	·026	·041
Anglesey	Holyhead (Salt Island).....	·051	·038	·048	·029	·029	·060	·040	·086	·061	·056	·067	·053	·054
Dumfries.....5	Eskdalemuir Observatory	·053	·037	·039	·046	·049	·060	·059	·068	·059	·062	·055	·030	·053
Renfrew 2	Renfrew Aerodrome	·048	·036	·037	·035	·039	·046	·051	·067	·044	·065	·044	·025	·046
,, ...3	Greenock (Prospect Hill)	·058	·060	·051	·051	·056	·058	·078	·093	·070	·089	·065	·033	·063
Argyll 4	Glenleven (Blackwater Dam)	·064	·050	·043	·060	·038	·064	·071	·056	·065	·085	·069	·027	·060
Fife 3	Leuchars	·025	·022	·036	·035	·039	·039	·072	·052	·048	·061	·025	·035	·042
Aberdeen 2	Aberdeen (King's College)	·039	·029	·042	·047	·039	·046	·058	·059	·074	·048	·040	·027	·045
Shetland 3	Lerwick Observatory	·047	·028	·044	·051	·033	·047	·066	·052	·072	·055	·067	·035	·050
Cork 7	Cork (University College)	·062	·046	·056	·044	·083	·049	·078	·069	·052	·057	·059	·069	·061
Kerry.....3	Valentia Observatory	·081	·039	·078	·047	·070	·050	·053	·062	·048	·061	·046	·059	·059
Armagh 5	Armagh Observatory	·043	·029	·034	·038	·058	·042	·057	·075	·060	·034	·034	·028	·043
Antrim 5	Aldergrove Aerodrome	·033	·020	·035	·027	·029	·047	·065	·057	·045	·039	·031	·027	·038
Londonderry .5	Glenedra Lodge	·046	·040	·045	·042	·046	·045	·054	·039	·039	·049	·041	·034	·043

6. HEAVY FALLS IN SHORT PERIODS IN 1927.

Heavy falls of rain in short periods are of considerable economic importance, for they are frequently of such intensity as to cause extensive flooding, often accompanied by much surface erosion and structural damage to property. In towns the floods may be aggravated by the failure of the drainage system to cope with the demands made upon it.

Since 1908, this section of *British Rainfall* has contained a classification of intense falls into three categories designated "worthy of notice," "remarkable" and "very rare." The classification has been effected by reference to a diagram of which a copy is reproduced. This diagram indicates by continuous curved lines the upper and lower limits of rainfall which must fall in stated times in order that the fall may be admitted into one of the three categories.



CLASSIFICATION OF HEAVY FALLS IN SHORT PERIODS.

The diagram was prepared almost exclusively from eye observations of rainfall duration and from corresponding measurements of rainfall in ordinary rain-gauges.

On pp. 45, 46 of *British Rainfall*, 1926, reasons were given for supposing that the diagram at its left-hand side does not conform with the actual facts as revealed by records from self-recording gauges. On this account, the data of Table XV have been divided into two sections, one giving results from eye observations, which are properly comparable with the diagram, and the other giving results from autographic records, which are not truly comparable with the diagram for falls of short duration.

A complete list of the recorded falls of " very rare " intensity of one hour or less is given in Table XIV, where readings of ordinary as well as of autographic gauges are included. The list includes one fall recorded during the London storm of July 11th, 1927, and another at Chagford (Dartmoor) on September 23rd.

In Table XV particulars are given of falls recorded in 1927 which reached at least the intensity " worthy of notice." Unlike Table XIV, falls of longer duration than one hour are included, the upper limit being two hours. Not more than one entry is made for the same shower for any station. The entry gives the largest amount recorded with a mean intensity " worthy of notice," " remarkable " or " very rare," as the case may be, an entry at the higher rate being in general preferred. Intense falls of less duration than 5 minutes have not been included in the table, since in such cases the error is likely to be relatively large and in general such falls are not of practical importance.

It has been usual of recent years to give a table showing the total number of falls in various geographical divisions. It so happened that during 1927 the bulk of the intense falls occurred near London on July 11th, when many falls were obtained from the charts of recording gauges not usually examined for intense falls. These falls, which are referred to in the text, have not been included in the analysis. This emphasizes that the number of falls shown in each area must depend to some extent on the distribution of the observing stations. The analysis is given mainly for comparison with similar statistics for earlier years. It probably separates the areas of more frequent intense falls from those relatively immune, although it cannot be expected to indicate the actual relative frequency of intense falls in each area.

Number of Exceptional Rains of Two Hours' Duration or less.

		England and Wales.								Per cent.
		S.E.	S.W.	N.E.	N.W.	Total.	Scotland.	Ireland.	British Isles.	of records received.
Average 1868–1926		15·8	7·6	4·4	2·2	30·0	2·1	1·4	33·5	1·0
1927	(*a*) ..	16	21	1	8	46	3	2	51	1·0
	(*b*) ..	14	1	0	4	19	3	6	28	0·6
	Sums ..	30	22	1	12	65	6	8	79	1·6

(*a*) Observations made without autographic rain-gauges.
(*b*) Readings of autographic gauges.

In making the comparison of the two sets of figures with the average values it should be remembered that since 1868 the number of observing stations has steadily increased, while the number of autographic rain-gauges has also increased more especially of recent years. A fairly good indication of the frequency of falls in 1927, in relation to the average, is probably provided by comparing the falls made without autographic rain-gauges with the average. This indicates that intense falls in short periods in 1927 were more frequent than is usually the case.

The first four months of the year were free from falls of sufficient

Table XIV.—*Rainfalls of Very Rare Intensity lasting for One Hour or less.*

Year.	Date.	Div.	Station.	Amount.	Duration		Rate Per Hour
				in.	H.	M.	in.
1912	May 8	XV	Alexandria	·26	0	1½	10·40
1888	Mar. 24	XI	Chepstow, Shirenewton Hall ..	·33	0	2	9 90
1917	July 14	IV	Norwich, Ipswich Road	·47	0	2½	11·28
1893	Aug. 10	VIII	Preston, Corporation Offices ..	1·25?	0	5?	15·00?
1927	Sept. 23	V	Chagford (Dartmoor S'torium)	1·30	0	10	7·80
1893	June 14	XI	Chepstow, Shirenewton Hall ..	·62	0	5	7·44
1925	May 10	II	Godalming, Charterhouse	.60	0	5	7·20
1906	Aug. 2	II	Guildford, Piccard's Rough ..	·89	0	8	6·68
1892	July 3	VIII	Bolton, The Park	1·00?	0	9?	6·67?
1902	May 30	III	Cambridge, Sydney Street ...	1·10	0	10	6·60
1878	June 23	I	St. Pancras, Camden Square..	1·04	0	10	6·24
1912	July 21	VII	Wirksworth, Manor House ..	1·00	0	10	6·00
1918	July 16	II	Purley, Oakwood Avenue	1·10?	0	11	6·00?
1914	Aug. 14	XI	Guernsey, St. Martin's Road..	1·50	0	15	6·00
1878	June 23	I	St. Pancras, Camden Square..	1·43	0	15	5·72
1927	July 11	I	Balham High Road.....	1·50	0	18	5·00
1875	Aug. 7	II	Canterbury, Harbledown	2·12	0	20	6·36
1878	June 23	I	St. Pancras, Camden Square..	1·82	0	20	5·46
1897	June 24	III	Luton Pumping Station	1·65	0	20	4·95
1920	May 29	VIII	Leyland, Worden Hall	1·65	0	20	4·95
1878	June 23	I	St. Pancras, Camden Square..	2·30	0	28	4·93
1880	July 22	XI	Cowbridge, Ash Hall	2·90	0	30	5·80
1915	July 4	XI	Abergavenny, The Chain	2·20	0	30	4·40
1918	July 17	I	Shad Thames Pumping Station	2·07	0	30	4·14
1895	June 27	IX	Middleton-in-the-Wolds	2·00	0	30	4·00
1902	Sept. 10	II	Surbiton, Vronvelin	2·00	0	30	4·00
1920	May 25	IV	Hatfield, Broad Oak, Barrington	2·79	0	45	3·72
1904	July 27	II	Cooling, Broomy Farm	2·66	0	45	3·55
1909	Sept. 29	V	Ilfracombe Reservoir	2·50?	0	45	3·33?
1895	June 26	V	Marlborough	2·71	0	50	3·25
1915	June 30	IV	Mildenhall	2·63	0	50	3·16
1903	July 18	VI	Crewe, Betley Hall	2·53	0	50	3·04
1905	July 9	III	Enfield, Carisbrooke	2·44	0	50	2·93
1911	May 31	II	Epsom, Ashley Road	2·44	0	50	2·93
1901	July 29	II	Wadhurst, Lower Cousley Wood	3·25?	0	55	3·55?
1913	June 17	IV	Elvedon Hall	2·85	0	58	2·95
1901	July 12	II	Maidenhead, Lowood	3·63	1	0?	3·63?
1903	May 30	II	Beddington Corner	3·50	1	0	3·50
1911	May 26	II	Fareham, The Mount	3·00	1	0	3·00
1897	July 21	IV	Ipswich, Bishops Hill	2·95	1	0	2·95
1895	June 26	VI	Worcester, Diglis Lock.....	2·75	1	0	2·75
1909	June 1	XII	Carsphairn, Shiel	2·71	1	0?	2·71?
1873	July 28	XVII	Fettercairn	2·60	1	0	2·60
1889	June 7	II	Tonbridge, Ferndale	2·60?	1	0?	2·60?
1886	July 25	VIII	Sale, Brooklands	2·58	1	0	2·58
1899	July 22	V	Dorchester Water Works	2·56	1	0?	2·56?
1875	July 22	V	Trowbridge, Sunnyside	2·53	1	0	2·53
1875	June 29	III	Cardington	2·50	1	0	2·50
1886	July 25	IX	Wakefield, Stanley Vicarage ..	2·50	1	0	2·50

Table XV.—*Heavy Falls in Short Periods in* 1927.

County and River Division.	Station.	Date.	Amount.	Duration.	Rate per Hour.
	(a) EYE OBSERVATIONS.		in.	min.	in.
Gloucester 4	Mickleton (Bank House)	Aug. 24	·22	5	2·64
Gloucester 4	Mickleton (Church View)	Aug. 24	·21	5	2·52
S. Devon.....5	Chagford (Dartmoor Sanatorium)	Sept. 23	1·30	10	7·80‖
Gloucester 7	Cirencester (Gwynfa)	July 10	·50	11	2·73
Warwick 1	Bidford (Moor Hall)	July 11	·37	12	1·85
N. Devon 3	Parkham (Melbury Res.)	July 7	1·12	15	4·48*
Somerset 4	Stogursey (Fairfield House)	July 11	1·01	15	4·04*
Somerset 4	Stogursey (Fairfield House)	Sept. 15	·60	15	2·40
Donegal 5	Killybegs (Rockmount)	July 26	·45	15	1·80
Cheshire 4	West Kirby (St. Andrew's Vic.)	July 12	·63	19	1·99
Hants 8	Aldershot (Sewage Wks.)	July 11	1·18	20	3·54*
Westmorland ..1	Penrith (Lowther Castle)	July 28	·88	20	2·64
Hants 4	Andover (Hatherden)	July 10	·82	20	2·46*
Cheshire 4	West Kirby (St. Andrew's Vic.)	July 8	·63	20	1·89
Donegal 5	Killybegs (Rockmount)	Aug. 18	·66	25	1·58
Argyll 6	Bridge of Orchy (Inveroran)	Aug. 9	·73	28	1·64
Ayr 5	Ayr (Doonholm)	Aug. 14	1·83	30	3·66*
Gloucester 5	Bristol (Telephone Av.)	July 11	1·55	30	3·10*
Dorset 4	Blandford (White Cliff St.)	July 8	·75	32	1·41
Somerset 1	Hinton Blewett Manor	July 11	1·77	35	3·04*
Carmarthen ...2	Abergorlech	July 12	·98	35	1·71
Wilts 1	Westbury (The Vicarage)	July 12	1·91	40	2·86*
Somerset 2	Blagdon (Pumping Station)	July 11	1·88	40	2·82*
Wilts 1	Westbury (Cambridge House)	July 12	1·73	40	2·60*
Suffolk 5	Mildenhall	May 6	·95	40	1·42
Cumberland ...2	Keswick (Lingholm Gardens)	July 10	1·65	45	2·20*
Fife 3	Coupar (Over Rankeillour)	July 10	1·50	45	2·00
Hants 8	Hook (Nately Hatch)	May 6	·94	45	1·25
Cheshire 1	Stalybridge (Brushes Filter House)	July 21	1·62	50	1·94
Suffolk 5	Mildenhall	July 6	1·49	50	1·79
Berks.....5	Reading (Englefield)	July 11	1·30	50	1·56
Kent 4	Langley (Rumwood Court)	July 11	1·10	50	1·32
N. Devon 4	Hartland (Fosfelle)	Aug. 5	1·10	50	1·32
Yorks, W.R....4	Greenfield (Chew Reservoir)	July 21	2·05	60	2·05*
Cambridge 2	Fordham (London House)	July 11	1·75	60	1·75*
Middlesex 1	Hendon (Sewage Wks.)	July 11	1·18	60	1·18
Yorks, N.R. ...4	Ampleforth College	Aug. 13	1·18	60	1·18
Somerset 2	Wookey Vicarage	July 11	1·61	70	1·38
Cheshire 1	Poynton (Waterloo)	July 11	1·31	70	1·12
London 2	Kensington (Holland House)	July 11	3·35	75	2·68‖
Stafford.....5	Uttoxeter (The Gendalls)	July 11	2·00	75	1·60*
Hants 8	Hook (Nately Hatch)	July 10	1·50	75	1·20
Hants 4	Lyndhurst (Annesley Bank)	July 10	2·70	90	1·80‖
Somerset 1	Litton (Sherborne Res.)	July 11	2·42	90	1·61*
Westmorland .2	Grasmere (The Wray)	July 14	1·51	90	1·00
Surrey 8	Frimley Green (Ridgemount)	July 11	2·12	105	1·21*
N. Devon 2	Molland (Green Cottage)	July 11	1·42	105	·81
Hants 4	Lyndhurst (Allum Green)	July 10	2·84	120	1·42‖
Wilts 5	Marlborough (Salisbury Rd.)	July 11	2·38	120	1·19*
Surrey 8	Camberley (Cordwalles)	July 11	1·93	120	·97
Berks.....3	Wellington College	July 11	1·25	120	·63
	(b) AUTOGRAPHIC RECORDS.				
Fife 3	Leuchars (Seaplane Stn.)	July 10	·39	5	4·32*
S. Lancs 2	Liverpool (Monument Place)	July 12	·20	5	2·40
Surrey 5	Richmond (Kew Observatory)	Aug. 25	·20	5	2·40
London 2	Kensington Palace	Aug. 24	·43	6	4·30*
Flint 1	Sealand Aerodrome	July 27	·39	,,	3·90
Londonderry ..5	Glenedra Lodge	July 27	·32	6	3·20
Londonderry ..5	Glenedra Lodge	July 5	·26	6	2·60
Londonderry ..5	Glenedra Lodge	Aug. 21	·21	6	2·10
C. Lancs.....3	Southport (Hesketh Park)	July 5	·20	6	2·00
Hants 5	Worthy Down Aerodrome	July 8	·20	6	2·00
Antrim 5	Aldergrove Aerodrome	July 10	·20	6	2·00
Antrim 5	Aldergrove Aerodrome	Aug. 5	·20	6	2·00
Surrey 4	Croydon Aerodrome	Aug. 6	·20	6	2·00
Renfrew 2	Renfrew Aerodrome	Aug. 9	·20	6	2·00
Antrim 5	Aldergrove Aerodrome	Aug. 20	·20	6	2·00
Hants 4	Calshot (Seaplane Station)	Aug. 21	·20	6	2·00
Surrey 4	Croydon Aerodrome	Sept. 23	·20	6	2·00
S. Devon 2	Plymouth (Cattewater)	Nov. 18	·20	6	2·00
London 2	Hampstead Observatory	July 11	·67	10	4·02*
Dumfries.....6	Eskdalemuir Observatory	June 18	·34	10	2·04
London 2	Kensington Palace	July 11	1·00	12	5·00*
Norfolk 3	Bircham Newton Aerodrome	Aug. 24	·39	12	1·95
London 1	Balham High Road	July 11	1·50	18	5·00‖
Hants 8	South Farnborough R.A.E.	July 11	·70	24	1·75
London 2	St. Pancras (Camden Square)	July 11	·62	24	1·55
Surrey 5	Richmond (Kew Observatory)	July 11	1·00	60	1·00
Hants 8	South Farnborough R.A.E.	July 10	1·21	90	·80
Stafford 2	Kinver (Prestwood)	July 11	2·94	100	1·76‖

* " Remarkable " fall. ‖ " Very rare " fall.

intensity to warrant mention in the table. At Hitchen, Hertfordshire, two thunderstorms occurred on *January* 28th, accompanied by torrential rain at 4 h. 15 m.* and 7 h. 15 m., each lasting about 15 minutes. Unfortunately, the amounts for these storms are not known separately although the total rain amounted to 1·47 inch.

There are two entries for *May*. Both are for May 6th and they occurred at Mildenhall (Suffolk) and Hook (Hampshire). At Felixstowe, ·20 inches fell in 3½ minutes on May 15th, but this fall does not qualify for inclusion in the table.

The fall of ·34 inch in 10 minutes at Eskdalemuir Observatory on the 18th is the only entry for *June*. It ranks as a " remarkable " fall.

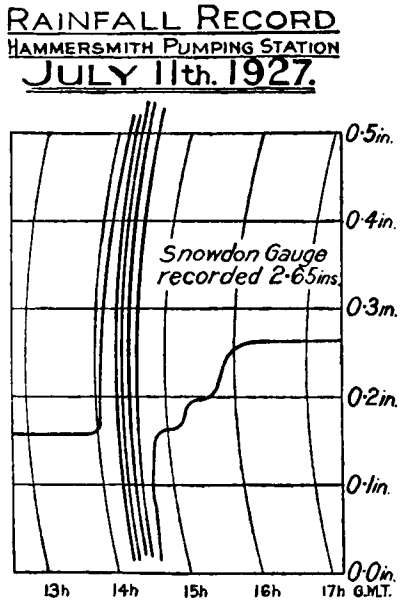
Most of the intense falls given in the table occurred in *July*. In fact, out of the 79 entries no fewer than 56 are for that month. Intense falls were most frequent on the 10th and 11th, although there are entries for as many as 12 different days, the 5th, 6th, 7th, 8th, 10th, 11th, 12th, 14th, 21st, 26th, 27th and 28th. The intense falls of the 10th were widely distributed ; occurring in Hampshire, Fifeshire and Antrim and at Cirencester and Keswick. Those in Hampshire were reported from South Farnborough, Andover and Lyndhurst. That reported from Annesley Bank (Lyndhurst) of 2·70 inches in 90 minutes and that from Allum Green of 2·84 inches in 2 hours rank as "very rare" falls. At Allum Green the rain occurred between 18 h. and 20 h., the lawn and meadow becoming a rushing torrent. The intense rain was very local, only extending 5 or 6 miles on each side of Lyndhurst.

The fall at Leuchars in Fifeshire of ·39 inch in 5 minutes ranks as a " remarkable " one. Another station in Fife reported an intense fall on this day, *viz.*, 1·50 inch in 45 minutes at Coupar. A fall very similar to this in amount and intensity was recorded at Lingholm Gardens near Keswick on the same day.

Although most entries occur for stations in London on July 11th, intense falls associated with thunderstorms were also recorded on this day in parts of the country as far away as Poynton, in Cheshire (where the intense rain was between 13 h. 30 m. and 14 h. 40 m.) ; Bidford-on-Avon, in Warwick (where it rained heavily from 17 h. 20 m. to 20 h. 20 m. to give 1·42 inch) ; while further south measurements were made at Buckland Manor, on the borders of Gloucester and Worcester (where 2·21 inches fell between 16 h. 30 m. and 19 h.) ; Uttoxeter, in Stafford (where the fall of 2 inches in 75 minutes ranks as " remarkable ") ; Prestwood, near Stourbridge, where 2·94 inches was registered between 5 h. 30 m. and 7 h. 10 m., and Molland, in N. Devon. Some of the most outstanding falls were recorded in the neighbourhood of the Quantocks and Mendips. At Stogursey, 1·21 inch was recorded between 16 h. 15 m. and 18 h. ; at Hinton Blewett Manor House intense rain commenced at 14 h. 30 m. and lasted about 35 minutes. The rain is said to have

* In this account time is expressed in terms of Greenwich Mean Time. During the summer, add one hour to get summer time.

come down as " if poured through a sieve." Later, at 18 h. 15 m. another thunderstorm gave ·55 inch in an hour. At Blagdon and Litton, just to the north of the Mendips, two falls occurred which also rank as " remarkable." At Bristol (Telephone Avenue), further north, 1·55 inch fell between 14 h. and 14 h. 30 m. Other falls on this day ranking as remarkable were recorded at Frimley Green (Surrey), Aldershot (Hampshire), Fordham (Cambridgeshire) and Marlborough (Wiltshire). While at Marlborough the heavy rain fell in two storms between 15 h. and 17 h. ; at Fordham the rain was much later, falling between 18 h. and 19 h. Another station at Marlborough reported 2·39 inches in 2½ hours, but only falls of 2 hours or less are included in the table. At Rumwood Court, near Maidstone, the intense rain occurred about the same time as that in London, 1·10 inch falling between 13 h. 35 m. and 14 h. 25 m.



A map showing the rainfall in the neighbourhood of London for the rainfall day of July 11th is given in Section 7. Although precise information is in some cases wanting, there is little doubt that practically all this rain fell in less than 3 hours. Rain commenced about 13 h. 45 m. in the South Kensington and Balham districts and as late as 14 h. 30 m. at King's Cross and in the north-east of London. It ceased at about 16 h. in the west and at 16 h. 30 m. in the north-east. Estimates of the greatest intensity of the rainfall have been obtained from a number of auxiliary recording rain-gauges and these are set out below. Additional records are given in Table XV. There were three separate zones of very intense rain, *viz.*, from Kensington to Hammersmith, near Balham and at Hanwell (see Section 7). A copy of the trace from the recording gauge at Hammersmith is reproduced by permission of the London County Council.

Intense Rains of July 11th, 1927.

	Amount.	Duration.	Rate per Hour.
	in.	mins.	in.
Lambeth (Brockwell Park)	·18	5	2·16
Chelsea (Western P. Stn.)	·50	12	2·50
Stoke Newington (New River Filters)	·50	12	2·50
Battersea (Falcon Brook P. Stn.)	·75	15	3·00
Hampstead (Barrow Hill Res.)	·85	24	2·10
Highgate (Waterlow Park)	1·00	30	2·00
Hammersmith P. Stn.	2·00	36	3·34*
Kensington (Campden Hill)	2·00	38	3·16*
Wormwood Scrubbs	1·80	45	2·40*
Mitcham (Lower Green)	1·57	60	1·57
Bermondsey (Shad Thames P. Stn.)	1·50	114	·79

* " Remarkable falls."

The sewers and storm relief works could not cope with the intense rainfall and much flooding occurred, even although schemes had recently been completed costing about £2,500,000 and were in operation whereby large quantities of water were discharged into the river. Another unusual feature of the storm was the intense darkness. The temperature at Kensington during the storm dropped 10°F.

Next day a sheet of low stratus cloud from the North Sea persisted over the eastern half of England, but further west, where there was sunshine, thunderstorms again developed. Entries are given in the table for Abergorlech in Carmarthen and Westbury in Wiltshire, where two observers report " remarkable " falls. The storm at Westbury began at 17 h. 20 m. and lasted till 18 h. and was accompanied by hailstones of very large dimensions.

Intense falls on the 14th were recorded in South Devon, in Lancashire and in the English Lake District. At Coryton, in South Devon, " the storm commenced at 13 h. 20 m., after a very hot morning with brilliant sunshine. Rain in the nature of a cloudburst fell till 14 h. accompanied by thunder and lightning of the severest nature. After 14 h. the rain practically ceased with just an occasional shower to 16 h. when the gauge was emptied, the fall then measuring 2·50 inches. Further rain fell during the night, making the total fall for the rainfall day 3·02 inches." This rainstorm ranks therefore as a " very rare " fall. At Strinesdale Reservoir, in the Oldham District, the fall for the rainfall day was 4·21 inches and " the bulk of this rain fell in from three to four hours." The storm was local and apparently confined to a width of two miles and travelled up from the south-west, subsequently receding in the same direction." The falls at Coryton and at Strinesdale have not been included in the table. At Grasmere, 1·51 inch fell in a thunderstorm from 14 h. 30 m. to 16 h. while at Keswick 1·10 inch fell in 80 min. rather later, and just failed to qualify for inclusion in the table.

On July 21st, heavy rain caused severe flooding in the district of Glasgow, Greenock, the north-east of England generally and near Stalybridge. Details are available for the table only in the latter case. At Chew Reservoir, some few miles to the east of Oldham, rain began about 15 h. 45 m. and was particularly intense after 16 h. In the Swineshaw Valley, to the north-west, 1·62 inches fell between 15 h. 40 m. and 16 h. 30 m. The run-off was very rapid so that the stream was practically normal the same night.

There was another series of intense falls on July 26th–28th. The most interesting, since intense falls in this region are relatively rare, was that at Killybegs, in the extreme north-west of Ireland, where ·45 inch fell in 15 minutes in the late afternoon on July 26th. Curiously, there was a somewhat similar fall at this station on August 18th.

Mr. I. D. Margary draws attention to the effects of a " cloudburst which were apparent from the train between Edinburgh and Carlisle on July 29th and were apparently caused by the rain of the previous day. The damage centred round the Kershope Burn. Where this crossed the main line by Kershopesfoot Station, a large gang of men were at work repairing the embankment. The burn had washed down boulders and young fir trees and had evidently flooded behind the railway embankment level with the rails (say 10 feet deep) causing actual damage to the embankment by the wash. The area affected was very local."

August was the only other month of the year for which more than three intense falls are given in the table. The intensity reached that of " remarkable " only in the case of that at Doonholm, in Ayrshire, where 1·83 inch fell in 30 minutes—" evidently a very local waterspout." On August 6th, at Mallarany in Co. Mayo, 2·15 inches fell between 14 h. and 17 h., while at Northampton a very heavy storm broke over the town at 13 h. 20 m. giving ·71 inch in 35 minutes. The latter fall just failed to qualify for inclusion in the table.

Three falls are given for *September*, at Stogursey, on the Quantocks, at Chagford, and at Croydon. On the 5th there was a very severe thunderstorm at Downham in Norfolk, which lasted from about 16 h. to 19h., the measurement next morning being 1·55 inch. Two waterspouts were seen at Wissington, in the south of Suffolk, during the storm. On September 23rd after a fine morning a thunderstorm suddenly occurred at Chagford, on Dartmoor, in which it is estimated that 1·3 inch fell within 10 minutes. This fall ranks as very rare.

At Plymouth an intense fall was recorded as late as *November 18th* when ·20 inch fell in 6 minutes.

Table XVI.—*Number of Days on which specified amounts of Rain fell in specified times during* 1927.

County.	Place.	0·2 inch.				0·4 inch.				1 inch.			
		6 min. or less.	15 min. or less.	30 min. or less.	60 min. or less.	15 min. or less.	30 min. or less.	60 min. or less.	2 hours or less.	1 hour or less.	2 hours or less.	5 hours or less.	24 hours or less.
London	Camden Square	1	1	2	8	1	1	1	2	0	0	0	3
Surrey	Croydon	2	3	6	12	0	1	1	6	0	0	0	6
„	Kew Observatory	2	3	6	12	0	2	3	4	1	1	1	4
Kent	Lympne	0	1	9	22	0	0	1	7	0	0	1	6
Hampshire ...	Calshot	1	3	5	11	0	1	2	4	0	0	1	3
„ ..	Worthy Down	1	2	6	15	0	0	1	6	0	0	1	6
„ ..	South Farnborough	2	2	7	9	2	2	4	7	1	1	2	7
Suffolk	Felixstowe	1	3	5	7	0	0	4	5	0	0	1	3
Devon	Cattewater	1	1	6	15	0	1	2	6	0	0	1	6
Lincoln	Cranwell	0	1	1	5	0	0	1	2	0	0	0	1
Lancashire ...	Southport	1	1	3	9	0	0	0	5	0	0	0	2
Flint	Sealand	1	3	6	8	1	2	3	6	0	0	1	2
Anglesey	Holyhead	0	2	6	14	0	1	2	8	0	0	2	8
Dumfries.....	Eskdalemuir.....	2	6	15	27	1	2	5	9	0	0	2	12
Renfrew	Renfrew	1	3	6	14	0	0	0	6	0	0	0	2
Fife	Leuchars	1	4	4	8	1	2	2	4	0	0	0	3
Aberdeen	Aberdeen	0	1	5	8	0	1	1	3	0	0	1	3
Shetland	Lerwick	0	0	1	6	0	0	0	1	0	0	0	1
Co. Kerry	Valentia Observatory ..	0	0	7	19	0	0	0	10	0	0	0	8
Co. Armagh ..	Armagh Observatory ...	0	2	5	9	0	1	2	2	0	0	1	2
Co. Antrim ..	Aldergrove	3	3	3	8	0	1	1	3	0	1	1	3

The falls are not necessarily continuous nor are they always confined to one calendar day. If a fall occupies parts of two days' it is regarded as belonging to the day which contributes the greater share to the amount of the fall. Not more than one fall of each specified amount is credited to any day; if more than the specified amount fell on any day, that part of it which fell in the shortest time is used for the table.

In the preceding section the material has been provided both from autographic records and from eye observations at any of the 5,000 rainfall stations. Another method of dealing with the frequency of heavy falls of rain is to confine attention to the stations with autographic records and to examine the traces for all the rain which occurs at these stations. That has been done for the stations set out in Table XVI. In the tabulations on which the classification is based, the shortest interval in which ·2 inch (5 mm.) falls is entered for each day on which so much rain occurs. Similarly with falls of ·4 in. and 1 inch. Cases in which a fall of the given amount occupied parts of two days are included, but each fall counted is of less than 24 hours' duration, and only one fall of the given amount is credited to each calendar day. In the classification adopted in Table XVI, the first time limit for each of the stated amounts is nearly in accordance with the specification of a noteworthy Fall (*see* diagram) and corresponding entries will be found in Table XV.

In discussing the results it must be borne in mind that the time scales of the autographic records are so small that the discrimination between falls of ·2 inch which last more or less than 6 minutes is difficult. The other limiting rates are comparatively easy to judge.

7.—HEAVY FALLS ON RAINFALL DAYS IN 1927.

The daily measurements of rain which are set out in this Section are (*a*) falls of 2·5 inches or more in the rainfall day and (*b*) falls which amount to at least 7·5 per cent. of the year's total.

The latter criterion is used in order that daily falls in the drier areas, which are very heavy when judged by local standards, should be taken into account. Only stations for which the annual rainfall is less than 33·3 inches can give a daily fall of less than 2·5 inches which requires mention in this section. The least annual rainfall which has ever been recorded in this country is about 10 inches, and then the area so affected was extremely small. In such a case a daily fall of only ·75 inch or more would qualify for mention in this section. Falls which are included because of criterion (*b*) are commonest in dry years. It will be noticed that there are few daily falls in the following tables which are less than 2·5 inches but which are more than 7·5 per cent. of the annual total. Daily falls which satisfy *both* criteria are also few in number. As is to be expected, the areas from which the majority of heavy falls are reported are the normally wet mountainous areas, but the intense thunderstorm rains of the summer, such as those of July, 1927, also contribute a considerable number of falls.

A table showing the absolute maximum daily rainfall and the absolute maximum daily percentage reported for each year from 1865 to 1921, was published in *British Rainfall*, 1921, p. 86. The portion of the table from 1913, completed by the addition of particulars for the years 1922 to 1927 is printed here. This portion contains the largest values given in the complete table, both as to amount and percentage; these figures are printed in heavy type.

TABLE XVII.—*Maximum Daily Fall and Maximum Percentage, 1913 to 1927.*

Year.	ABSOLUTE HIGHEST RAINFALL.				ABSOLUTE HIGHEST PERCENTAGE.				Year.
	Depth.	Per cent.	Station.	Div.	Per cent.	Depth.	Station.	Div.	
	in.					in.			
1913..	6·06?	**26·0?**	Doncaster Pumping Station.	9	**26·0?**	6·06?	Doncaster Pumping Station.	9	1913
1914..	6·35	4·1	Pen-y-Gwryd	11	14·8	3·35	Upminster	4	1914
1915..	7·06	19·7	Dalcross	18	19·7	7·06	Dalcross	18	1915
1916..	8·20	5·7	Kinlochquoich	18	13·1	3·91	Portland Bill	5	1916
1917..	**9·56**	..	Bruton	5	21·8	8·39	Aisholt	5	1917
1918..	4·95	9·2	Douglas.....	11	12·3	3·36	Woodsetts Grange ..	9	1918
1919..	4·50	5·9	Corran	15	11·1	3·57	Ayr Cemetery	15	1919
1920..	6·81	5·4	Dungeon Ghyll	10	15·6	4·69	Elkington Hall	7	1920
1921..	6·10	5·2	,, ,, ...	10	21·3	3·15	Pulham	4	1921
1922..	5·14	5·6	Ardgour House	15	16·5	4·70	Doncaster, Carr Ho. Hospital.	9	1922
1923..	5·57	3·9	Llechwedd Quarry ..	11	11·6	4·16	Rugeley, Brindley Bk	6	1923
1924..	9·40	19·5	Cannington, Brymore	5	19·5	**9·40**	Cannington, Brymore	5	1924
1925..	*4·13*	*2·8*	Snowdon (L. Llydaw Copper M).	9	11·4	*2·35*	Boston (Fishtoft S) .	7	1925
1926..	6·05	9·4	Abergwesyn (Nantneuadd)	11	10·9	4·57	Pembroke Dock	11	1926
1927..	6·00	4·6	Blænau Festiniog (Llechwedd Q.)	11	*10·7*	4·00	Wolverhampton Town Hall	6	1927

The largest entry in each column is shown in heavy type and the smallest in italic type.

Particulars of the 12 largest falls of the year 1927 are given in Table XVIII. The table shows also the year's total at each of the stations and the percentage of that total which is accounted for by the highest daily fall. Only one entry is given for each of the stations included in the table.

TABLE XVIII.—*The largest Daily Rainfalls in* 1927.

Date.	Div.	Station.	Depth.	Per cent. of Year.	Total for Year.
			in.	%	in.
Aug. 27	XI	Blaenau Festiniog (Llechwedd Q.) ..	6·00	4·6	130·46
Nov. 1	XI	Snowdon (Cwm Dyli) No. 11	5·28	3·6	146·13
Nov. 1	XI	Snowdon (L. Llydaw Copper M.) No. 9	5·05	2·9	176·89
Nov. 1	XI	Snowdon (Llydaw Intake) No. 10....	4·80	2·8	170·15
Nov. 1	XI	Blaenau Festiniog (Oakeley Q.)	4·62	3·5	130·1
Nov. 1	XI	Beddgelert (Co. School)	4·36	4·5	96·31
July 11	IX	Oldham (Strinesdale)	4·21	7·6	55·32
Sept.28	X	Buttermere (Hassness)	4·14	3·9	107·28
July 10	II	Farnham (Crooksbury Ridges)	4·10	9·2	44·43
Nov. 1	XI	Treherbert (Tyn-y-waun)	4·03	3·9	103·30
July 11	VI	Wolverhampton (Town Hall)	4·00	10·7	37·27
July 11	VI	West Bromwich	3·92	9·9	39·53

There were few striking instances in 1927 of daily falls of exceptional intensity. The most widespread rainstorms of the year were those of November 1st and 2nd, when more than 9 inches was recorded in Snowdonia for the two days together. As many as 6 of the largest falls of the year given in Table XVIII are credited to November 1st. Most of the entries are from stations in North Wales while South Wales is represented by Treherbert with 4·03 inches. The largest daily fall of the year was that of 6·00 inches at Blaenau Festiniog for August 27th, the total for the two days, the 27th and 28th in this district exceeding 8 inches. All these falls, as well as that for September 28th, were associated with steep barometric gradients and strong south-west winds. The remaining entries in Table XVIII were for the thunderstorm rains of July 10th and 11th.

In *British Rainfall,* 1926, p. 73, a list was given of the largest daily falls on record for these islands. There are 28 entries of 6·5 inches or more. Neither 1927, 1926 or 1925 recorded a daily fall qualifying for inclusion in that table.

Chronicle.

In the tables included in the following account of the heavy falls of the year, a daily fall which is the maximum fall for the year at the station is indicated by ordinary Roman type ; other falls are in *italics.*

JANUARY.—The first entries in this section are credited to January 12th, when an intense depression approached the north-western districts of the British Isles and deepened. Widespread gales occurred on the 12th and 13th ; gusts exceeding 70 miles per hour being recorded in exposed places in western districts.

January 12th.

Argyll.	*in.*	or %	*Argyll.*	*in.*	or %
Morvern (Ardtornish)	2·53	2·7	Mull (Glencannel)	*2·55*	*2·4*

Very stormy weather prevailed during the last week of the month. On the 24th and 25th a depression centred near Iceland caused gales and heavy rain along the western coasts.

January 24th.

Cumberland.	*in.*	or %	*Brecon.*	*in.*	or %
Buttermere (Hassness) ..	*2·96*	*2·8*	Trecastle (Blaenau-hydfer)	2·55	3·1
Glamorgan.					
Treherbert (Tyn-y-waun)..	*2·89*	*2·8*			
Rhondda (P. Lluest Wen R. No. 3)	*2·66*	*3·0*	*Carnarvon.*		
Carmarthen.			Snowdon (Llydaw Intake, No. 10)	*2·80*	*1·6*
Llyn-y-fan Fach (Nant Coch)	2·55	2·8			
Llyn-y-fan Fach (Troed-y-Foel)	2·61	3·3	Snowdon (Llydaw Copper M., No. 9)	*2·95*	*1·7*

During the next few days the passage of vigorous secondaries maintained unsettled stormy weather. On the 28th a very deep depression west of Ireland caused widespread gales, which in some districts were of exceptional violence and gave gusts exceeding 100 miles an hour at Dunfanaghy in north-west Ireland, at Tiree to the west of Scotland, at Paisley and at Renfrew. Entries in the table are confined entirely to Dartmoor where the fall exceeded 3 inches on that day.

January 28th.

S. Devon.	*in.*	or %	*S. Devon.*	*in.*	or %
South Brent (Badworthy)	2·83	3·6	Bovey Tracey (Hedgebarton)	2·52	3·5
Holne (Church Park Cottage)	3·19	4·4	Chagford (Fernworthy) ..	2·55	3·4
Ashburton (Hele House) ..	2·92	5·1	Moretonhampstead (Stinhall)	2·55	4·2
			Christow (Laployd)	2·55	4·8

FEBRUARY.—Anticyclonic conditions accompanied by an unusual prevalence of fog prevailed generally up to the 18th, while the remainder of the month was mild and unsettled. The daily falls reached 2·5 inches only in Snowdonia for the 28th.

February 28th.

Carnarvon.—Snowdon (Llydaw Copper M., No. 9) *2·65 in.* or *1·5* per cent.

MARCH.—The weather continued mild during the greater part of March with a brief warm spell about the 19th. During the first week and the last 10 days, very unsettled weather with frequent rain, but not unusually heavy rain, prevailed generally.

March 20th.

Ross & Cromarty.—Glenshiel (Ratagan) ..... 3·00 *in.* or 3·4 per cent.

March 26th.

Lancs.—Bolton W.W. (Springs Res.)..... 2·75 *in.* or 4·1 per cent.

APRIL.—The first part of the month was generally unsettled. Although fine warm weather prevailed over most of the British Isles from the 18th to 21st, on the 20th, 2½ inches of rain was recorded in part of the Western Highlands of Scotland.

April 20th.

Inverness.	*in.*	or %	*Inverness.*	*in.*	or %
Loch Quoich (Glenquoich)	2·50	2·3	Glendessary	2·51	2·6

MAY.—The rainfall of May 1st in Connemara was associated with the approach of a depression to the north-west of Ireland, followed by a larger and deeper depression. The entries below are the first in the year for Ireland.

May 1st.

Mayo.	*in.*	or %	*Mayo.*	*in.*	or %
Aasleagh Rectory	*2·78*	*2·7*	Aasleagh House	*2·58*	*2·4*

The remainder of May was generally quiet with a considerable frequency of winds between north-west and north-east. Most districts were relatively dry.

JUNE.—Only four daily amounts in this month were sufficiently heavy to require mention. Of these, two occurred on the 16th in Central Scotland and the others in Snowdonia.

June 16th.

Dumbarton.	*in.*	or %	*Argyll.*	*in.*	or %
Glen Finlas Reservoir No. 7	2·97	2·9	Morvern (Kingairloch) ..	*2·54*	*2·6*

June 23rd.

Carnarvon.—Snowdon (Cwm Dyli, No. 11) ..... *2·55 in.* or *1·7* per cent.

June 25th.

Carnarvon.—Snowdon (Cwm Dyli, No. 11) ..... *2·52 in.* or *1·7* per cent.

The heavy falls in Snowdonia for June 23rd and 25th were associated with the passage of a depression across the Midlands. The rainfall in Snowdonia for the 4 days June 23rd to 26th exceeded 7 inches.

Another depression appeared off the west of Scotland on June 25th, and travelled across to the North Sea from the 26th to 28th, subsequently moving south-westwards across Scotland and Ireland. On July 1st a depression moved eastward along the English Channel, remained stationary on the 2nd over south-east England, and finally moved away in a north-easterly direction on the 3rd. This period was one of the rainiest of the wet summer. In Snowdonia rain fell on each of the 22 days from June 16th to July 7th, amounting in all to as much as 17 inches. Rain fell on most days in this period in the south of England but only on July 6th were there individual falls sufficiently great to be mentioned in this section.

JULY was thundery and unsettled generally. Heavy rain on July 6th was confined almost entirely to the south-east of England. More than 1 inch fell practically everywhere to the east of a line from the Wash to St. Leonards. More than 2 inches were recorded at Sheringham (near Cromer), from Clacton to Colchester and in the east of Kent, where 3·06 inches fell at Deal.

This was the result of the extension northwards of the unstable conditions in France where thunderstorms had been general during the previous day. A depression had been situated off the west of Ireland for some time and the cold air from the rear of the depression turned eastwards and then northwards, appearing over England as a cold southerly upper current. The thunderstorm rain caused by this instability was succeeded by continuous heavy rain, associated with the passage of the " warm front " of a depression.

July 6th.

Kent.	*in.*	or %
Lydd (The Paddock)	2·66	7·0
Capel (Lower Standen)....	2·53	6·4
Dover (Waterloo Crescent)	2·81	7·5
Dover (Waterworks)	2·80	7·0
Dover (Buckland)	2·63	6·1
Dover (Barton Road)	2·68	6·3
Dover (Martin Mill Pumping Station)	2·71	6·4
Waldershare Rectory	2·88	6·6
Waldershare Park Gardens	2·84	6·9
Shepherdswell (UptonLdge)	2·65	6·0
Shepherdswell (Montbeliard)	2·60	6·1
Deal and Walmer W.W. ..	2·85	7·6
Deal (Wellington Road) ..	3·06	8·4
Worth (Felder Lodge)	3·09	9·0
Wingham (Margate W.W.)	2·52	6·9
Ramsgate (East Cliffe) ..	2·26	7·5
Reculver	2·71	8·9

Essex.	*in.*	or %
Clacton-on-Sea	2·84	9·6
Walton-on-the-Naze	2·48	8·2
Colchester (Hythe Gas Works)	2·42	8·1
Colchester (Borough Surveyor's Office)	2·20	7·5
Colchester (Waterworks) ..	2·23	7·9
Lexden (Hill House)	2·23	7·5
Great Bromley (Broughton)	2·31	7·7
Sudbury (Bulmer Lodge)	2·09	7·6
Suffolk.		
Great Cornard (The Limes)	2·28	8·3
Hartest (Shimpling Hall)..	1·96	7·5

Of the total fall at Dover (2·81 inches) as much as 2·3 inches occurred between 19h. 40m. on the 6th and 0h. 40m. on the 7th at the fairly uniform rate of ·45 inch an hour. This is much less intense than the fall at Hammersmith on July 11th (Section 6) and persistent heavy rain was therefore the main feature of the storm at Dover. The storm was one of the worst experienced there for many years. At times the streets were almost impassable and vivid lightning lit up the town. The rain commenced rather earlier in the south-west and later further north. At Norwich and Sheringham it rained from 2h. to 9h. on the 7th.

July 10th was the first day of another series of local thunderstorms. Winds were northerly over the British Isles, but temperature, nevertheless, rose to about 80° F. over a large part of England, showing a considerable rise since the previous day, and exceeding 75° F. over parts of Scotland. The high temperatures are explained by the fact that the air was of continental origin, it being derived from an easterly current which prevailed for some days over southern Scandinavia and the Baltic. The humidity was rather high and the damp state of the ground after three weeks of unsettled weather no doubt further increased the water content.

Rain on July 10th was confined in England almost entirely to a strip between Preston (Lancs.) and the Isle of Wight. The rainfall exceeded 1 inch only locally—at Leek in Stafford, to the south of Birmingham, near Fenny Compton in Warwick, round Basingstoke and Farnham in Hampshire and to the north of Bournemouth. In the latter region, 2·84 inches were recorded at Lyndhurst and this was due to the intense rain which lasted only for 2 hours. The fall at Farnham of 4·10 inches is the largest daily fall on record for Surrey, the previous largest fall of 4·07 inches being recorded at Wisley on July 22nd, 1924.

July 10th.

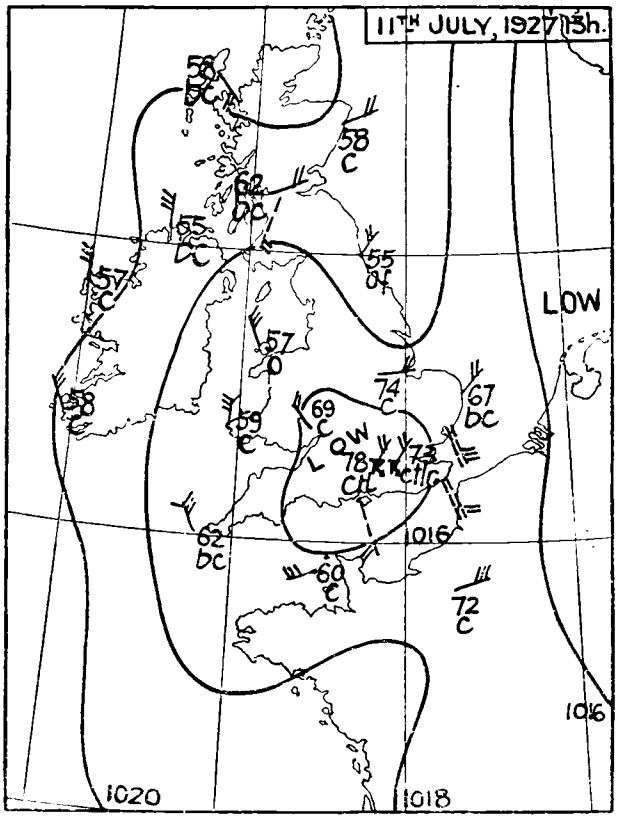
Surrey.	*in.*	or %	*Hants.*	*in.*	or %
Farnham (Crooksbury Ridges)	4·10	9·2	Lyndhurst (Allum Green)	2·84	6·4

By the morning of July 11th a shallow depression had formed over the southern part of England, and persisted some days, with light indefinite winds. The storm over London on the afternoon of the 11th moved slowly in an upper current from south to north, but the origin of the air was in southern Scandinavia as on the 10th. Upper air temperatures were observed that afternoon at Duxford, near Cambridge. They indicate that any rising air would have become saturated at about 1,800 feet (an unusually low level for a warm day). Further, any rising air would have been about 10° F. warmer than its environment from 8,000 feet up to at least 16,000 feet. Under these conditions powerful upward currents of great vertical extent

were inevitable as soon as a rising convection current penetrated into this region. The instability seems to have been mainly due to the warm damp air near the surface. The presence of damp air is indicated by observations of fog along the east coast in the morning, and this probably drifted inland from the Wash in the northerly current still prevailing.

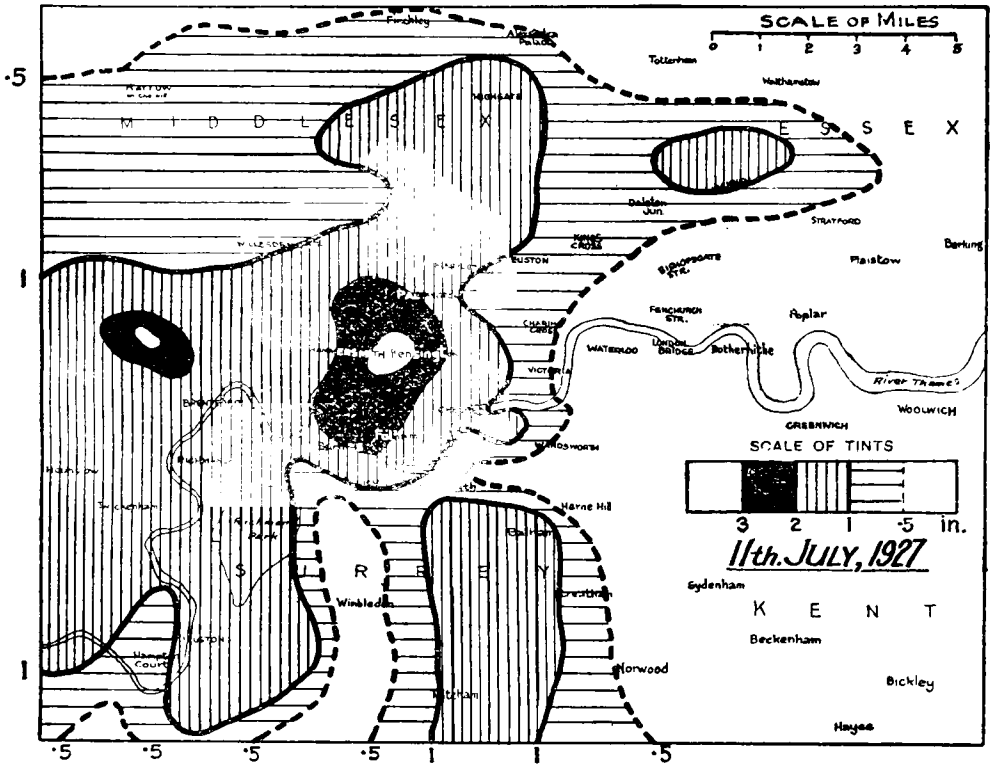
A pressure map is reproduced for 13h. on July 11th. While the direction of the wind is indicated by arrows flying with the wind, the cloud movements in the south-east of England are indicated by broken arrows. The difference between temperatures in the south-east of England and Wales and elsewhere is well-marked.

Some rain was recorded for July 11th at most inland stations in Great Britain, but it exceeded 1 inch only over two fairly large areas centred round Stockport and Wolverhampton and a series of small areas stretching from Exmoor to London. More than 2 inches was recorded at Oldham, round Macclesfield and at Marlborough, Farnborough and London. A map is given of the heavy rain over London, where in view of the relatively large number of gauges it is possible to define the distribution with considerable precision. The largest



Synoptic Chart, 11th July, 1927, 13 h.

BAROMETER.—Isobars are drawn for intervals of 2 millibars, 1,000 millibars=29.53 mercury-inches.
WIND.—Direction is shown by arrows flying with the wind. Force on the scale 0 to 12, is indicated by the number of feathers. A circle indicates calm. Broken arrows show cloud movements.
TEMPERATURE is given by figures in degrees Fahrenheit.
WEATHER is indicated by the following notation:—
bc, sky partly clouded; c, generally cloudy; f, fog; l, lightning; o, overcast sky; r, rain; t, thunder. Capital letters indicate "intense"; suffix $_o$ indicates "slight"; repetition of letters indicates continuity. ● = rain.



Rainfall, London Area, 11th July, 1927.

area with more than 2 inches was that stretching from Fulham to Wormwood Scrubbs, as much as 3·42 inches being recorded at Holland House. The rainfall gradient was very steep since in the Strand and on Putney Common, 4 miles east and 4 miles south of Holland House, respectively, there was less than half an inch. A heavy fall was also reported from Hanwell but the gauge was not of a standard pattern and it is only possible to say that probably 4 inches fell there.

The incidence of the heavy rain of this day is dealt with in Section 6.

July 11th.

London.	*in.*	or %
Kensington (Holland House)	3·42	9·5
Kensington (Cam House)..	2·93	8·4
Kensington (Campden Hill Reservoir)	2·62	8·0
Fulham (Hammersmith Cemetery)	2·85	8·8
Stafford.		
Kinver (Prestwood)	2·94	8·6
Penn (Church Hill)	3·10	9·0
Wolverhampton (Copthorne Road)	3·91	10·5
Wolverhampton (Town Hall)	4·00	10·7
Wolverhampton (West Park)	3·70	10·3
West Bromwich	3·92	9·9
Wednesbury (Ocker Hill)..	2·80	7·7
Darlaston (Sewage Works)	2·96	8·5
Bilston (The Lunt Outfall)	3·68	10·1

Worcester.	*in.*	or %
Bromsgrove (Tardebigge Reservoir)	2·83	7·2
Netherton (Lodge Farm Reservoir)	2·52	7·4
Redditch (Hewell Gardens)	3·12	7·6
Bromsgrove (Lower Bittal Reservoir)	3·90	9·0
Halesowen (Frankley)	2·86	6·9
Warwick.		
Northfield (West Heath House)	2·75	7·0
Lancs.		
Oldham Gas Works	2·83	6·3
Rochdale (Roch Mills Sewage Works)	2·55	4·2
York, W.R.		
Oldham (Strinesdale)	4·21	7·6
Lanark.		
Strathaven (Glengavel Reservoir)	2·78	4·9

The rainfall of July 11th over London was remarkably similar to that of June 16th, 1917, both in general distribution and in the duration of the storm. In 1917, however, there was no rain at all to the south-east of a line from Wimbledon to Liverpool Street, while the falls in the Kensington area were generally larger, as much as 4·65 inches being recorded in less than 2 hours and a half at Camden Hill. This gave, incidentally, the largest daily fall on record for London. The observers in that district confirm that the damage caused by the rain was much greater during the great storm of June 16th, 1917.

July 12th.

Kent.—Woodchurch (Henghurst)..... 3·10 *in.* or 7·7 per cent.

July 13th.

Merioneth.—Festiniog (Hafod Fawr) ..... 3·44 *in.* or 3·7 per cent,

July 14th.

South Devon.	*in.*	or %	*South Devon.*	*in.*	or %
Coryton Manor	3·02	5·2	Lew Down (Coombe Trenchard)	2·52	4·3

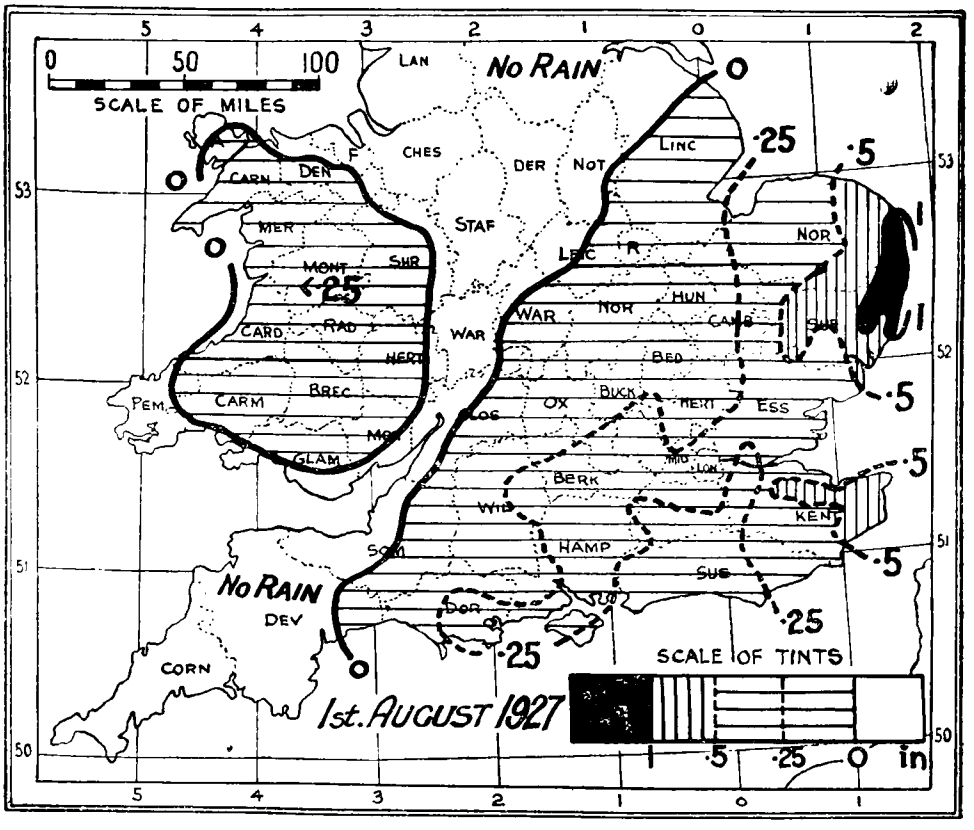
Some rain fell at most inland stations on July 21st but the amount exceeded 1 inch only locally. The areas with more than 1 inch were widely distributed, occurring in Co. Donegal, in Dumbarton, at Glasgow, to the north of the Cheviots and at Burnley. Only one fall requires mention, however, for this day.

July 21st.

Dumbarton.—Rosneath House..... 2·95 *in.* or 4·4 per cent.

Rain fell at most stations on July 27th, but the amount exceeded 1 inch only in part of the central plain of Scotland, in South Wales and part of Dartmoor. At Glasgow the fall exceeded 2 inches, but did not qualify for mention in this section.

AUGUST.—A map of the rainfall of August Bank Holiday is included because it illustrates how small a quantity of rain, if sufficiently sustained, can completely stop outdoor exercise. The precise duration of the rain in London is given in Section 5. In the south-east of England generally, it rained continuously for most of the day. The area with no rain occurred to the north-west of a line from Exeter to Spurn Head. In general, the falls were only about a quarter of an inch, but more than 1 inch occurred along a strip of coast from Yarmouth nearly to Felixstowe.



Rainfall, 1st August, 1927.

The rain was due to a small secondary which passed over Flanders, the main depression being over France. The system travelled N.N.E. rapidly and was fed by warm air on its eastern side.

The next few days of August were generally fine, although there was heavy rain in the extreme west of Scotland on August 2nd, and in Perthshire on August 5th.

August 2nd.

Argyll.—Mull (Glencannel)..... 2·95 *in.* or 2·8 per cent.

August 5th.

Perth.—Loch Lyon (Invermearan) ..... 3·46 *in.* or 4·1 per cent.

Subsequently Scotland was relatively dry and sunny, while other districts experienced generally wet and unsettled weather. Falls exceeding $2\frac{1}{2}$ inches occurred on an unusually large number of days for August, especially towards the end of the month. The largest daily fall for the year was recorded on the 27th.

August 8th.

York, W.R.	*in.*	or %
Fewston (Swinsty, East) ..	2·78	7·0
Birstwith (Swarcliffe)	2·55	6·4

York, W.R.	*in.*	or %
Kirby Malzeard (Hawsett)	2·56	5·3
Kirby Malzeard (Bagwith Brae)	2·56	5·9

August 14th.

York, W.R.	*in.*	or %
Austwick (Beck House) ..	2·64	4·9

Mayo.	*in.*	or %
Mallarany	2·73	3·6

August 15th.

Radnor.	*in.*	or %
Birmingham W.W. (Claerwen)	2·95	3·6

Meath.	*in.*	or %
Summerhill House	2·81	7·4

August 18th.

Lancs.	*in.*	or %
Bolton W.W. (Delph)	2·51	4·0
Brindle (Whiteholme)	3·15	6·6

York, W.R.	*in*	or %
Penistone (Ingbirchworth Reservoir)	2·58	5·4

August 21st.

Carnarvon.	*in*	or %
Lake Eigiau (Dam Site) ..	2·56	2·9

Carnarvon.	*in.*	or %
Snowdon (Cwm Dyli, No. 11)	*3·03*	*2·1*

August 27th.

Merioneth.	*in.*	or %
Blaenau Festiniog (Llechwedd Q.)	6·00	4·6

Carnarvon.	*in.*	or %
Snowdon (Cwm Dyli, No. 11)	*3·87*	*2·6*

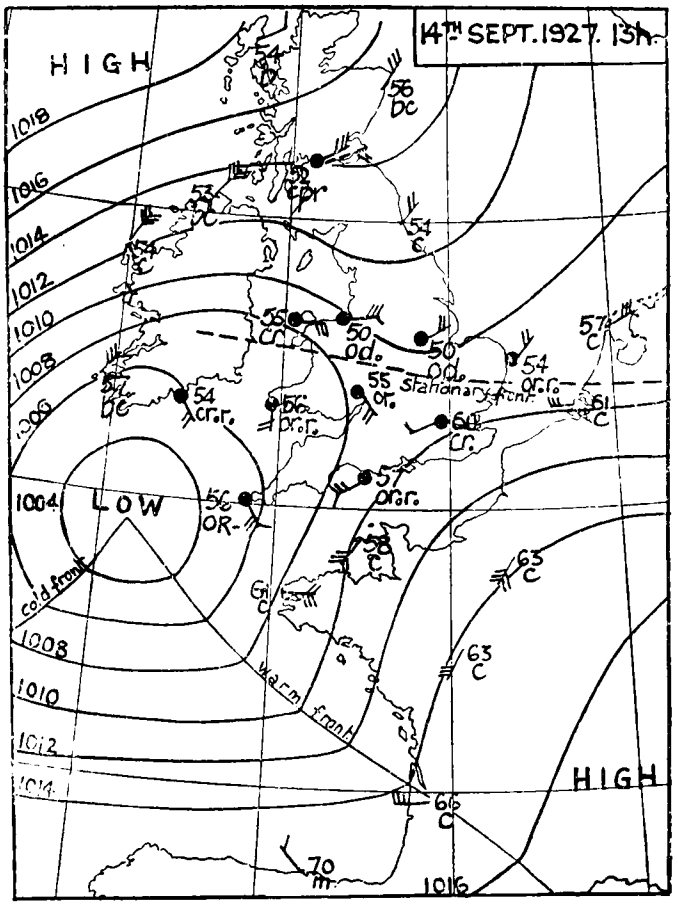
August 30th.

Cornwall.—Lostwithiel (The Terrace)..... 3·76 *in.* or 6·1 per cent.

SEPTEMBER.—Although the weather of the month was unusually unsettled, falls qualifying for mention in this section did not occur until the 14th.

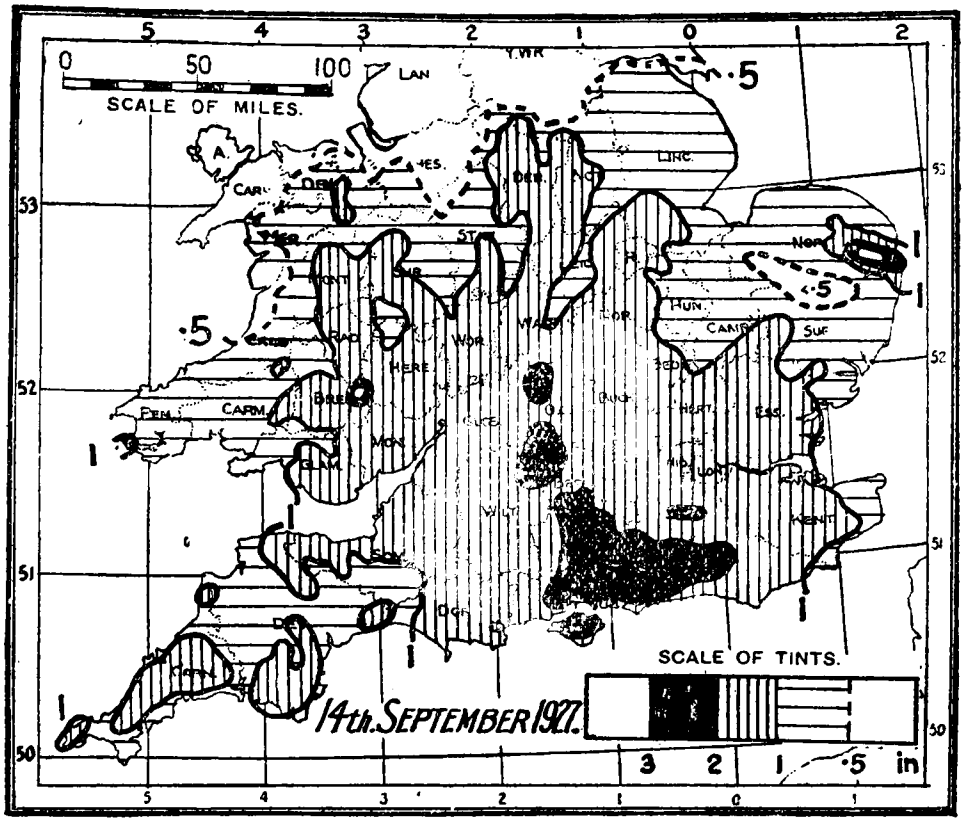
A map of the rainfall of September 14th is reproduced. Falls exceeding 1 inch were widespread in the southern half of England and Wales. More than 3 inches was recorded in the Black Mountains and to the south-east of Norwich, while the fall was just short of this amount in Petersfield.

A chart showing the general meteorological situation at 13h. is reproduced. The positions of the warm front and cold front are included. The rain in the east and midlands was due to the convergence of relatively warm south-west air and of cooler air from the north-east at a secondary cold front which remained fairly stationary during the day and stretched from Norfolk to Central Wales. There is a fairly well marked temperature difference between stations on either side of this line. Further south the rain was of the warm front type, and was caused by a depression approaching from the Atlantic and subsequently passing up the Channel. It will be noted that rain was falling at 13h. at each of the observing stations in the southern half of England as well as Roches Point and Glasgow.



Synoptic Chart, 14th September, 1927, 13 h.

BAROMETER.—Isobars are drawn for intervals of 2 millibars, 1,000 millibars = 29·53 mercury inches.
WIND.—Direction is showing by arrows flying with the wind. Force on the scale 0 to 12, is indicated by the number of feathers. A circle indicates calm. Broken arrows show cloud movements.
TEMPERATURE is given by figures in degrees Fahrenheit.
WEATHER is indicated by the following notation:—
b, blue sky; bc, sky partly clouded; c, generally cloudy; o, overcast sky; p, passing showers; d, drizzle; m, mist; r, rain; t, thunder. Capital letters indicate "intense"; suffix ₀ indicates "slight"; repetition of letters indicates continuity. ● = rain.



Rainfall, 14th September, 1927.

September 14th.

	in.	or %
Surrey.		
Haslemere (U.D.C. Depot)	2·59	5·0
Haslemere (Frensham Hall Farm)	2·50	5·3
Haslemere (Hazelhurst) ..	2·50	4·6
Sussex.		
Chichester (Kingsham Farm)	2·59	6·5
Chichester (Goodwood Gardens)	2·58	6·3
Emsworth (Stansted Park)	2·50	5·5
Emsworth (Watergate House)	2·68	6·0
West Dean Park	2·80	5·9
Chilgrove House	2·72	5·5
Compton (Compton House)	2·94	6·0
Patcham (Brighton W.W.)	2·81	6·3
Ditchling.....	2·52	5·0
Hants.		
Beaulieu (Drokes)	2·58	7·5
Andover Sewage Works ..	2·65	6·7
Wickham (The Lower House)	2·50	6·3
Swanmore (Holywell House)	2·73	6·5
Soberton (Mislingford) ..	2·75	6·7
Swanmore House	2·73	6·0
Droxford (Uplands)	2·69	5·8

	in.	or %
Hants.		
Droxford (Fairfield House)	2·67	6·0
Droxford (Fir Hill)	2·56	6·2
Petersfield (Ditcham Park)	2·74	5·6
Privett Vicarage	2·65	—
West Tisted Manor	2·52	5·2
East Tisted (Rotherfield Pk)	2·61	5·1
Ovington Rectory	2·50	5·6
Petersfield (Weston)	2·68	5·2
Petersfield (Stoner Hill) ..	2·72	5·2
Liss (Berry Grove House)	2·98	6·6
Liss (Kippences)	2·53	5·2
Newton Valence Vicarage	2·50	5·4
Selborne (The Wakes)	2·58	5·5
Berks.		
Faringdon (The Nurseries)	2·50	6·3
Suffolk.		
Herringfleet	2·75	8·3
Lound School	2·67	9·8
Fritton Warren	2·65	8·1
Norfolk.		
Lodden (Chedgrave Manor)	3·10	9·5
Ashby St. Mary (The Hall)	3·12	9·5
Brecon.		
Black Mountains (Blaen-y-cwm)	3·09	4·5
Black Mountains (Aber-Clyd)	2·54	4·0

September 15th.

Wilts.—Wroughton (Basset Down House) ..... 2·70 in. or 6·5 per cent.

Further heavy rain occurred from the 20th to the 24th, notably in northern districts. The falls mentioned below for the 20th and 21st occurred in the north-west of England, in Snowdonia and the west of Ireland.

September 20th.

Lancs.	*in.*	or %
Duddon Valley (Seathwaite Vic.)	*2·61*	*3·1*
Hawkshead (Bettyfold) ..	*2·61*	*3·1*
Garstang (Barnacre Reservoir)	2·65	4·8
York W.R.		
Slaidburn (Thorneyholme)	2·88	4·3
Slaidburn (Dunsop Houses)	3·03	4·1
Slaidburn (Footholme) ..	3·05	4·1
Slaidburn (Brennand)	2·97	4·0
Slaidburn (Whitendale) ..	3·08	4·1

Westmorland.	*in.*	or %
Rydal (High Close)	2·65	3·0
Grasmere (The Wray)	*2·65*	*2·6*
Carnarvon.		
Snowdon (Llydaw Copper M., No. 9)	*2·60*	*1·5*
Galway.		
Galway (Grammar School)	2·50	5·8
Kings Co.		
Meelick (Victoria Lock) ..	2·29	7·5

September 21st.

Merioneth.	*in.*	or %
Blaenau Festiniog (Oakeley Q.)	*3·31*	*2·5*
Blaenau Festiniog (Llechwedd Q.)	*3·52*	*2·7*

Carnarvon.	*in.*	or %
Snowdon (Cwm Dyli, No. 11)	*3·06*	*2·1*
Snowdon (Llydaw Intake, No. 10)	*2·85*	*1·7*
Snowdon (Llydaw Copper, M., No. 9)	*3·17*	*1·8*

The main feature of the rainfall map for September 22nd was the contrast between the Western Highlands of Scotland, with less than half an inch of rain, and the strip along the east coast where falls of over 2 inches were widespread. More than 3 inches fell at Stonehaven, Montrose, Arbroath and to the south of Edinburgh. Most stations in England, Wales and Ireland reported some rain on this day, but the amounts were everywhere small and there was, in these countries, little evidence of the east coast type of distribution.

The rainfall was associated with a depression over the south of Scotland accompanied by a north-east gale. The distribution in Scotland was of the orographic type associated with east winds.

September 22nd.

Peebles.	*in.*	or %
Carlops (North Esk Reservoir)	2·59	5·6
Midlothian.		
Moorfoot Hills (Rosebery)	2·87	7·3
Gorebridge (Deanbank) ..	2·90	7·9
Pentland Hills (Martyrs Cross)	3·64	8·2

Midlothian.	*in.*	or %
Pentland Hills (Loganlea)	3·03	6·8
Pentland Hills (Glencorse Fil.)	3·42	8·1
Pentland Hills (Glen Cottage)	3·82	8·1
Milton Bridge (Bush)	3·32	7·9
Newbattle (Public School)	3·04	9·0

September 22nd—*continued.*

Midlothian.	*in.*	or %
Pentland Hills (Harperrig)	2·80	5·6
Pentland Hills (Boghall) ..	3·06	7·4
Pentland Hills (Harlaw Reservoir)	3·27	7·8
Pentland Hills (Clubbiedean Reservoir)	2·93	6·9
Pentland Hills (Fairmilehead)	2·81	7·3
Liberton (Alnwick Hill) ..	2·51	7·0
Colinton (Firhill Tank) ..	2·50	6·9
Perth.		
Glen Bruar (Bruar Lodge, No. 1)	2·93	5·4
Glen Bruar (Bruar Lodge, No. 2)	2·75	5·4
Forfar.		
Arbroath (W. Cemetery) ..	3·09	10·0
Montrose	2·84	9·4
Montrose (West End Park)	3·48	10·0
Montrose (Sunnyside Asylum)	2·72	8·2
Kincardine.		
Laurencekirk (Johnston Lodge)	3·31	7·8
Kincardine.	*in.*	or %
Marykirk (Balmakewan) ..	2·54	6·9
Stonehaven (Mains of Cowie)	3·34	9·6
Stonehaven (Ury Gardens)	3·75	9·7
Girdleness	2·75	7·8
Strachan (Bridge of Dye)..	2·86	5·9
Banchory (Invery)	2·53	6·6
Aberdeen.		
Drumoak (Drum Castle) ..	2·54	6·7
Craibstone (Sth. Methil. Field)	2·59	6·6
Craibstone (Woodlands Field)	2·58	6·9
Dyce (Parkhill House)	2·89	7·7
Banff.		
Drummuir Castle	2·67	—
Gamrie (Clenterty P. School)	2·68	5·6
Moray.		
Knockando (Windmill Cottage)	2·78	6·0

The fall at St. Michael's-on-Wyre for the 24th was associated with a secondary depression which developed off our south-western coasts and deepened rapidly as it passed to the North Sea.

September 24th.

Lancs.—St. Michael's-on-Wyre Vicarage..... 2·50 *in.* or 6·0 per cent.

After the 24th, unsettled conditions continued but there were many bright periods. Rainfall amounts were moderate except on the 28th, when heavy rain and high winds were associated with a secondary trough to a very deep depression centred near Iceland.

September 28th.

Lancs.	*in.*	or %
Duddon Valley (Seathwaite Vic.)	*2·75*	*3·2*
Cumberland.		
Buttermere (Hassness) ..	4·14	3·9
Keswick (Lingholm Gardens)	2·65	3·7
Westmorland.		
Patterdale (Greenside Mine)	3·38	3·7
Dungeon Ghyll	2·51	2·0
Carnarvon.	*in.*	or %
Snowdon (Llydaw Intake, No. 10)	*3·53*	*2·1*
Snowdon (Llydaw Copper M., No. 9)	*3·67*	*2·1*
Renfrew.		
Shaws W.W. (Compens. Reservoir)	2·64	3·4
Shaws W.W. (Loch Thom)	2·68	3·3
Perth.		
Aberfoyle (The Inn)	3·70	5·7

OCTOBER.—Apart from heavy rain on the first, mainly fine dry anticyclonic weather prevailed up to the 12th.

October 1st.

Merioneth.	*in.*	or %	*Argyll.*	*in.*	or %
Blaenau Festiniog (Llechwedd Q.)	*3·50*	*2·7*	Dunoon (Redhurst)	3·38	3·5
Carnarvon.					
Snowdon (Cwm Dyli, No. 11)	*3·29*	*2·2*			

Subsequently the weather deteriorated and for a few days northerly and north-easterly winds prevailed with much cloud. Unsettled conditions became general when a depression moving eastwards across the British Isles caused fairly widespread rain on the 21st and 22nd.

October 22nd.

Aberdeen.	*in.*	or %	*Aberdeen.*	*in.*	or %
Glen Gairn (Corndavon) ..	2·66	6·5	Aberdeen (Mannofield Res.)	2·76	7·6

The last week of the month was abnormally mild with frequent rain and severe gales on the 28th to 29th. The W.S.W. gale of the night of the 28th-29th coincided with a spring tide off the Lancashire coast and there resulted a sea of unparalleled height which flooded an area of about 2 square miles around Fleetwood.

October 24th.

Merioneth.	*in.*	or %	*Merioneth.*	*in.*	or %
Blaenau Festiniog (Oakeley Q.)	*2·99*	*2·3*	Blaenau Festiniog (Llechwedd Q.)	*2·90*	*2·2*

October 25th.

Glamorgan.	*in.*	or %	*Carnarvon.*	*in.*	or %
Rhondda (P. Lluest Wen R., No. 2)	*2·50*	*2·8*	Snowdon (Llydaw Intake, No. 10)	*2·85*	*1·7*
Rhondda (P. Lluest Wen R., No. 1.)	*2·78*	*2·7*	Snowdon (Llydaw Copper M., No. 9)	*3·03*	*1·7*
			Perth.		
			Glengyle	2·60	2·8

October 26th.

Merioneth.	*in.*	or %	*Carnarvon.*	*in.*	or %
Blaenau Festiniog (Oakeley Q.)	*2·90*	*2·2*	Snowdon (Cwm Dyli, No. 11)	*2·81*	*1·9*
Blaenau Festiniog (Llechwedd Q.)	*2·90*	*2·2*	Snowdon (Llydaw Intake, No. 10)	*2·53*	*1·5*
			Snowdon (Llydaw Copper M., No. 9)	*2·67*	*1·5*

October 28th.

Westmorland.—Grasmere (The Wray)..... 2·74 *in.* or 2·7 per cent.

October 31st.

Kerry.—Kilgarvan (Inchamore) ..... 2·65 *in.* or 2·5 per cent.

A wet period set in on the 24th in Snowdonia, lasting until November 6th. The total rain in this region during the 14 days amounted to over 23 inches.

NOVEMBER.—The rainfall of November 1st and 2nd was both heavy and widespread. The duration of the rainfall at certain stations on these days is given in Table XI. All stations reported some rain and at many the duration exceeded 20 hours.

On the 1st the rainfall distribution was of the orographical type. More than 1 inch was recorded over practically the whole of Wales, the English Lake District and the south-west of Scotland from the Solway Firth to Loch Quoich. In each of these regions more than 3 inches fell. In Snowdonia the fall exceeded 5 inches. The rainfall along the east coast was small, so that the rainfall gradient from west to east was very steep. It is usual to find such a marked rainfall difference associated with a pressure distribution in which the gradient from south to north is greater than usual. In this case a deep depression moved during the day just north-west of the British Isles and the warm front spread across these Islands. Strong south-west winds prevailed.

November 1st.

Lancs.	*in.*	or %
Hawkshead (Tower Bank, Sawrey)	2·72	4·0
Hawkshead (Bettyfold) ..	3·29	3·9
Ambleside (Skelwith Fold)	2·88	3·3
Abbeystead Gardens	2·50	4·1
Cumberland.		
Buttermere (Hassness) ..	*3·46*	*3·2*
Westmorland.		
Bowness (Dawstone)	2·50	—
Ambleside (White Craggs)	2·52	3·3
Glamorgan.		
Felindre (Upper Lliw Reservoir)	2·60	3·5
Ystalyfera (Wern House)	3·04	3·8
Rhondda W.W. (Llyn Fawr Reservoir)	3·02	3·4
Cardiff (Ely Pumping Station)	2·51	5·0
Fairwater (Glan Ely Hospital)	2·50	4·9
Cardiff (St. Fagans Castle)	2·70	4·4
Pontycymmer (Police Station)	3·77	4·1
Glyncorrwg Colliery	3·82	4·3
Rhubina Reservoir	3·52	6·1
Ystradyfodwg (Tyntyla Hospital)	2·53	4·2
Treherbert (Tyn-y-waun)..	4·03	3·9
Rhondda (Pont Lluest Wen R., No. 3)	3·00	3·4
Rhondda (Pont Lluest Wen R., No. 2)	2·74	3·1
Rhondda (Pont Lluest Wen R., No. 1)	3·15	3·1
Cardiff (Heath Filters) ..	2·67	5·2
Llanishen Reservoir	2·70	5·7

Brecon.	*in.*	or %
Swansea W.W. (Nantyrwydd)	2·63	2·7
Ystradfellte Reservoir	3·36	3·4
Cardiff W.W. (Cantreff R.)	2·68	3·1
Brecon.		
Cardiff W.W. (Beacons Reservoir)	*2·51*	*2·6*
Merioneth.		
Tan-y-bwlch (Dol-y-Moch)	2·75	3·7
Festiniog (Hafod Fawr) ..	*2·82*	*3·0*
Blaenau Festiniog (Oakeley Q.)	4·62	3·5
Blaenau Festiniog (Llechwedd Q.)	*4·60*	*3·5*
Tal-y-llyn Rectory	2·64	3·5
Carnarvon.		
Bettws Garmon	2·79	3·4
Beddgelert (Co. School) ..	4·36	4·5
Snowdon (Cwm Dyli, No. 11)	5·28	3·6
Snowdon (Llydaw Intake, No. 10)	4·80	2·8
Snowdon (L. Lydaw Copper M., No. 9)	5·05	2·9
Kirkcudbright.		
Dalry (Garroch)	2·57	3·9
Dumfries.		
Canonbie (Irvine House) ..	2·70	5·0
Dumbarton.		
Glen Finlas Reservoir, No. 7	*2·84*	*2·8*
Argyll.		
Morvern (Kingairloch)	3·04	3·1
Inveraray Castle Gardens	2·73	2·9
Dunoon (Reservoir)	2·50	2·6
Dunoon (Redhurst)	*2·60*	*2·7*

The distribution of the rainfall for November 2nd was similar to that of the 1st in that heavy rain again fell in Snowdonia and the Lake District. There was practically no rain during the day in the south-west of England and only moderate amounts, generally about half-an-inch, in Scotland and Ireland. The total rainfall for the two days combined exceeded 4 inches in part of South Wales, in North Wales and over a large area in the north-west of England. The total exceeded 9 inches in Snowdonia and 6 inches in the English Lake District.

November 2nd.

Lancs.	*in.*	or %
Duddon Valley (Seathwaite Vic.)	2·83	3·3
Grange-over-Sands (Eden Mount)	2·60	5·1
Grange-over-Sands (Nutwood)	2·53	5·1
Lindale (Ellerhow)	2·82	4·8
Cartmel Fell (The Schoolhouse)	3·04	4·8
York W.R.		
Sedbergh (Brigg Flats) ..	2·98	4·7
Sedbergh	3·26	4·9
Cumberland.		
Buttermere (Hassness) ..	*3·13*	*2·9*
Westmorland.		
Rydal (The Hall)	2·59	2·9
Grasmere (The Wray)	*2·60*	*2·6*
Heversham (Plumtree Hall)	2·95	5·4

Westmorland.	*in.*	or %
Grange-over-Sands (Witherslack)	2·61	4·6
Old Hutton (Middleshaw)	3·48	6·0
Killington Reservoir	2·63	4·8
Kendal (Vicarage Terrace)	3·62	6·2
Kendal (Highgate)	2·87	4·8
Kendal (Burnside).....	2·72	4·4
Merioneth.		
Blaenau Festiniog (Oakeley Q.)	*1·34*	*3·3*
Blaenau Festiniog (Llechwedd Q.)	*4·63*	*3·6*
Carnarvon.		
Snowdon (Cwm Dyli, No. 11)	*4·02*	*2·7*
Snowdon (Llydaw Intake, No. 10)	*4·05*	*2·4*
Snowdon (L. Llydaw Copper M., No. 9)	*4·27*	*2·4*

The mild south-westerly winds continued for a few days, but by the 7th, wintry conditions became established in most parts of the country. Subsequently, there was another spell of mild, rainy weather. The rainfall of the 18th was associated with a depression to the south of the British Isles which gave strong easterly winds.

November 18th.

Argyll.	*in.*	or %
Strachur Park	2·51	3·2

Argyll.	*in.*	or %
Lochgoilhead (Nuthill) ..	3·15	3·7

From the 22nd to 28th quiet cloudy weather prevailed in the south-east and the Midlands, while in the north and west unsettled weather, with strong south-westerly winds, prevailed.

November 26th.

Inverness.—Skye (Scalpay Island) ..... 2·52 *in.* or 3·0 per cent.

DECEMBER.—Usually this month contributes a large number of falls for mention in this section. In December, 1927, the list is remarkably short, while in December, 1926, there was no instance of a heavy fall.

During the first 10 days of December, 1927, the weather was generally dry. About December 12th a large anticyclone covered Iceland and Scandinavia and air of polar origin spread over the whole of Europe, except Spain, reaching the British Isles from the east. The depression on the Atlantic sea board caused heavy rain in the west of Ireland on the 16th.

December 16th.

Mayo.	*in.*	or %	*Mayo.*	*in.*	or %
Aasleagh Rectory	3·58	3·4	Aasleagh House	3·16	3·0

Associated with the passage of a deep depression across the British Isles, mild, stormy and unsettled weather set in giving heavy rain in South Wales and the Mourne Mountains on the 21st. In Connemara considerable snow fell during the night of 20th-21st which drifted in the high wind. The observer at Ballynahinch Castle, reports : " I did not see such snow here for 20 years." It was on the morning of the 21st, following rain during the night, that a glazed frost occurred in London which caused serious inconvenience and numerous street accidents.

December 21st.

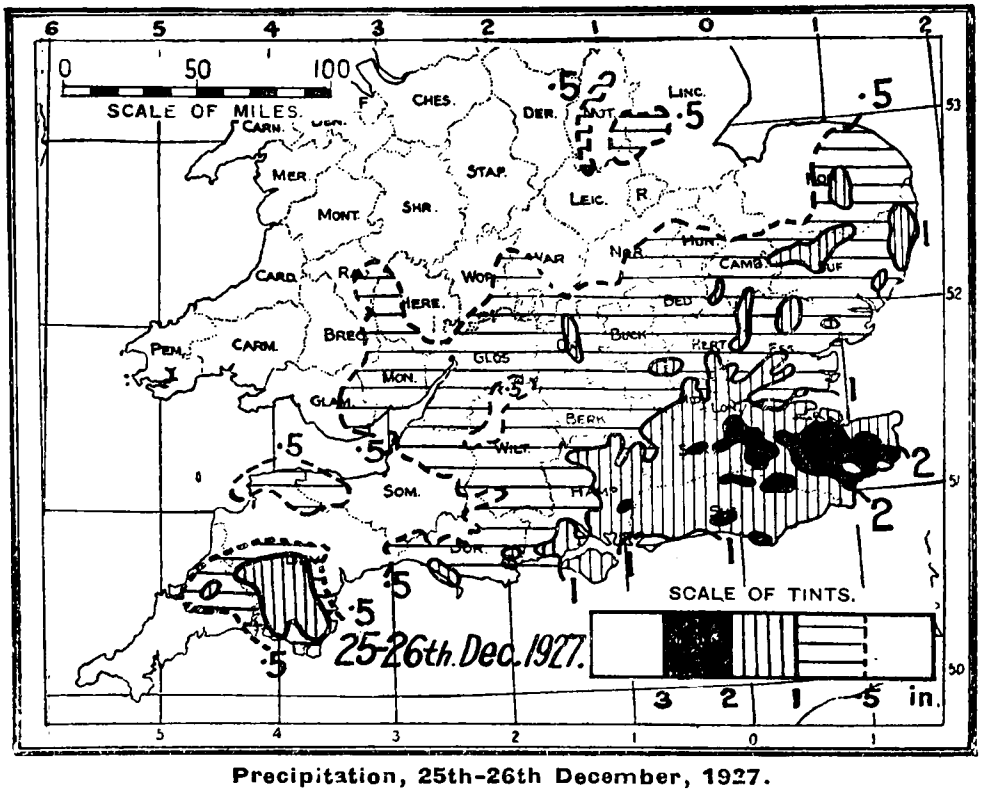
Monmouth.	*in.*	or %	*Glamorgan.*	*in.*	or %
Abersychan (Snatchwood Park)	2·66	3·9	Rhondda (Pont Lluest Wen R., No. 3)	*2·50*	*2·8*
Goytre (Goytre Hall)	2·50	4·5	*Down.*		
Glamorgan.			Mourne Mountains		
Treherbert (Tyn-y-waun)..	*2·65*	*2·6*	(Fofanny Reservoir)	2·88	3·8

Cold north-easterly winds again spread across the British Isles and the precipitation of the 25th and 26th mainly took the form of snow.

The snowstorm in the southern and south-eastern counties of England was one of the worst experienced in living memory. On Christmas Day there was snow in the Midlands, but continuous rain fell in the south of England until the evening when the rain turned to sleet and subsequently to snow. Snow fell heavily during the night and throughout Boxing Day and the following night in the south-eastern counties. Owing to the strength of the north-east wind, severe drifting occurred. Many main roads were completely blocked for days, secondary roads were in some cases blocked for weeks, motor-cars had to be abandoned, and some of them became completely buried in snow. Many villages were practically cut off from the outside world, and in a few instances provisions had to be supplied to the

inhabitants in parcels dropped from aeroplanes. In places the drifts were 20 feet deep. On January 21st, 1928, six or seven feet of snow, the remains of the storm, were reported to be lying in some of the Hampshire roads. The storm was most severe and the snow deepest on Dartmoor, in the Alton-Basingstoke district and along the North Downs. On Dartmoor the "cold was much greater even than in the storm of 1891," when the Princetown train was snowed up out of sight except for the funnel. Many sheep were buried alive under the snow for several days during the storm of December, 1927.*

A map is reproduced showing the fall of December 25th and 26th, combined. The representation is by isohyetal lines showing the equivalent rainfall in inches. To the north-west of a line roughly from Dartmoor to the Wash only trifling amounts of precipitation were recorded. More than 2 inches occurred over much of the North and South Downs, with over 3 inches between Ashford and Dover. The snow fell in a north-easterly gale in circumstances very similar to the notable snowstorm of January 18th, 1881 (" Black Tuesday "), which disorganised the milk supply of London. The weather-map for 18h.



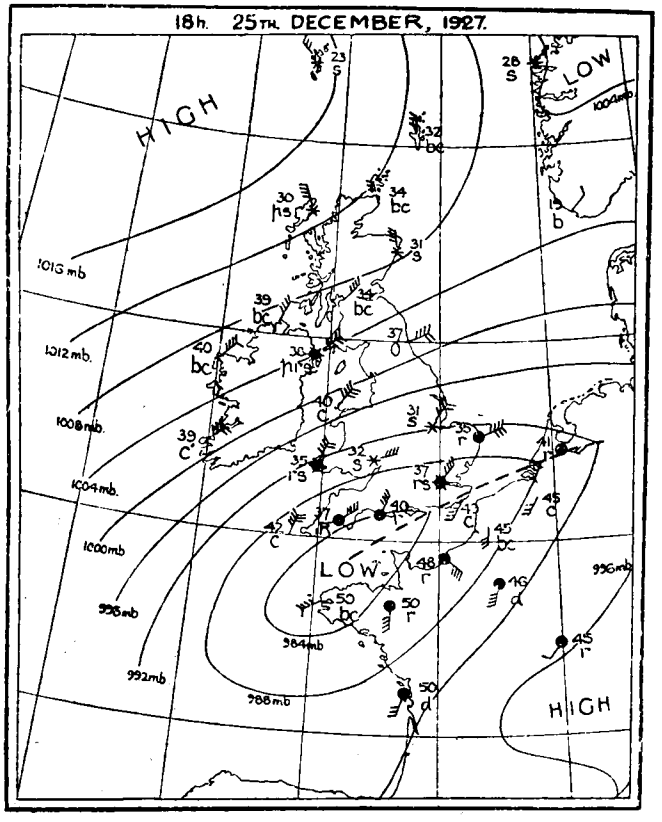
Precipitation, 25th-26th December, 1927.

on 25th December is also reproduced. A depression developed at the mouth of the English Channel and, as usual, heavy precipitation fell in the area to the north of the polar front, shown by a broken line. The precipitation was derived from the relatively warm southerly

* Further details are given in *The Great Blizzard of Christmas, 1927*, by the Rev. H. Hugh Breton.

current from the Bay of Biscay region which, in passing upwards over the cold north-easterly current suffered a marked fall of temperature on account of the reduction of pressure. The air in the S.W. current consequently precipitated much of its moisture as snow which fell through the north-easterly current.

The situation is typical of many of the severe snowstorms experienced in southern England and the circumstances are indeed very favourable for heavy snow, since the south-westerly current comes directly from



Synoptic Chart, 25th December, 1927, 18 h.

BAROMETER—Isobars are drawn for intervals of 4 millibars, 1,000 millibars = 29·53 mercury inches.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0 to 12, is indicated by the number of feathers. A circle indicates calm.
TEMPERATURE is given by figures in degrees Fahrenheit.
WEATHER is indicated by the following notation:—
b, blue sky; bc, sky partly clouded; c, generally cloudy; o, overcast sky; p, passing showers; r, rain; d, drizzle; rs, sleet; s, snow. Capital letters indicate "intense"; suffix $_0$ indicates "slight"; repetition of letters indicates continuity. ● = rain. ✱ = snow.

the moist and relatively warm ocean, while the north-easterly current is derived from the cold plains of Eastern Europe. The greater the contrast of temperature between the two currents at the surface and the stronger the winds, the greater and more intense is the precipitation likely to be. Subsequently, the depression moved slowly south-eastwards and filled up.

In the frontispiece to this volume are reproduced some typical examples of the many striking photographs of the snow scenes which are available.

8. MONTHLY RAINFALL IN 1927.

Information as to the rainfall of the months of 1927 is set out in this section in various forms :—

(1) Table XIX gives generalized values of the monthly and annual rainfall over the British Isles as a whole and also over the constituent countries separately.

(2) On pp. 76–77 details are given of some of the largest and smallest monthly totals of rainfall reported during 1927.

(3) In Table XX the monthly and annual totals of rainfall are set out for 400 stations, distributed evenly over the British Isles.

(4) Table XXI gives the monthly and annual falls expressed as percentages of the averages for 1881 to 1915. It is confined to 150 stations, uniformly distributed over the British Isles, for which averages are available. At the end of this table, general monthly and annual percentage values are given for the British Isles and for each of the constituent countries.

(5) A set of twelve maps showing the distribution of the actual rainfall in each month, is reproduced in this article. A thirteenth map on a larger scale depicting the distribution of rainfall for the whole year is also reproduced. These maps were originally drawn on the much larger scale of 19 miles to the inch, and values from about 2000 separate stations were plotted on each map before the isohyetal lines were drawn. Details which would tend to confuse the maps on the small scale of the reproductions have been eliminated.

(6) A second set of twelve maps showing cartographically the distribution of the percentage monthly values given in Table XXI and in the rainfall table published month by month in the *Meteorological Magazine* is also reproduced in this article. The corresponding percentage map for the whole year appears later in Section 10.

General Monthly Rainfall.

The general monthly values given in Table XIX have been computed by applying the percentage values given at the end of Table XXI to the average general values for the period 1881 to 1915. These computed values have been subsequently slightly adjusted in

order that the totals for the year should agree with the totals given in Table XXIV which are based on a more exact determination as explained in the text accompanying that table.

Table XIX.—*General Rainfall for* 1927, *computed from the average,* 1881–1915, *by applying the general Percentage values given in Tables XXI and XXIV to the General Average Values.*

	England.	Wales.	England and Wales.	Isle of Man.	Scotland.	Ireland.	BritishIsles.
	in.	in.	in.	in.	in.	in.	in.
January	3·2	5·8	3·5	3·8	6·6	5·5	4·8
February	3·1	4·3	3·3	2·7	2·7	3·2	3·3
March	3·2	5·3	3·4	4·7	3·8	4·6	3·9
April	2·3	2·4	2 3	1·8	4·5	1·8	2·8
May	1·3	2·0	1·4	2·3	3·0	1·8	1·9
June	3·8	5·3	4·0	4·6	4·7	3·8	4·2
July	3·8	4·7	3·9	2·8	3·8	3·7	3·9
August	4·9	8·1	5·3	5·6	5·5	5·2	5·5
September	5·5	6·3	5·7	6·7	8·2	5·1	6·3
October	2·7	4·7	2·9	4·4	6·6	3·9	4·1
November	3·8	6·4	4·2	5·6	5·7	4·3	4·7
December	3·4	3·3	3·4	3·4	2·3	3·8	3·4
Year	41·0	58·6	43·3	48·4	57·4	46·7	48·8

It is shown in Table XIX that the general monthly rainfall over the British Isles as a whole, varied from 1·9 inch in May to 6·3 inches in September. This variation was only slightly less than that in 1926 which was from 1·7 inch to 6·4 inches, but in 1926 the driest and wettest months were respectively December and November. The total fall for the seven months, June to December, was 32·1 inches, and 6·1 inches or 24 per cent. in excess of the average for that period. April and May were the only months of the year with a general rainfall less than 3 inches. On the average April, May and June are the driest months, and October, November and December the wettest months of the year. In 1927 the wet period set in rather earlier than usual and reached a maximum considerably earlier than is usually the case.

The least values in Table XIX are those for May of 1·3 inch for England and 1·4 inch for England and Wales. While September was the wettest month over England and Scotland, August was the wettest month in Wales and January in Ireland. The largest values in the table are those of 8·2 inches in Scotland for September and of 8·1 inches in Wales for August. Over Ireland as a whole, the general rainfall was less than 2 inches in each of the two consecutive months, April and May.

Turning to the corresponding general monthly percentage values at the end of Table XXI, the most striking features are the wet September, the dry May and dry December and the run of wet months from June to September. From 1920 onwards, general values for each country have been published in the annual volumes of *British Rainfall*, using the average 1881 to 1915; while in *British Rainfall*, 1924, pp. 258–262, values are set out for each month back to 1881. These tables have since been extended to 1870 and it is possible, therefore, to compare the fall in the months of 1927 with those of the 58 previous months of the same name. Taking the British Isles as a whole, September, 1927, with 204 per cent. was the wettest month in the series with the exceptions of that of 1918, with 242 per cent. and that of 1896 which was about as wet as in 1927. June, 1927, with 158 per cent. was the wettest June since that of 1912, and May, with 74 per cent. was the driest May since that of 1919. December, with 71 per cent., was not nearly as dry as that of the previous year. March was in excess of the average for the first time in six years, while April was in excess of the average for the sixth year in succession.

In each of the five months January, June, July, August and September, the general rainfall in each country was in excess of the average as shown by the percentage values at the end of Table XXI. Moreover, in both March and November, there were but trifling deficiencies in only one country. This illustrates the widespread wet weather which was so marked a feature of the year. In December the rainfall was less than the average in each country while in May and October, Scotland alone recorded more than the average. In February, while England and Wales recorded a rainfall in excess of the average, both Scotland and Ireland were drier than usual, giving a month of normal rainfall over the country generally.

The percentage value of 224 for England and Wales during September was exceeded in both the Septembers of 1896 and 1918, when the values were 239 and 286. The falls in Scotland were more unusual. September, 1927, with 204 per cent., was the wettest September with the one exception of that of 1872 which was about equally wet, while December, 1927, with 40 per cent. was the driest December in that country with the one exception of that of 1890 which was slightly drier.

Extremes of Monthly Rainfall at Individual Stations.

(*a*) *Monthly Totals.*—No monthly total exceeding 30 inches was reported and the number of totals exceeding 20 inches was not unusually large. So that although the year as a whole was very wet, it was not remarkable for any large monthly totals. This is

accounted for by the fact that, generally speaking, the unusually heavy rain fell in the summer and not the winter months, the dry period in the Western Highlands of Scotland during December being of special interest in this connection. More than 20 inches were recorded in only three months; in the Western Highlands in January and in Snowdonia in both August and October. In January 22·30 inches were recorded at Loch Quoich (Loan), in August 26·50 inches and in October 27·63 inches at Snowdon (Crib Goch). The largest monthly total recorded in England was 19·28 inches at Mickleden (Westmorland) in September and in Ireland 14·29 inches at Delphi Lodge (Connemara) in January.

On the other hand, the smallest monthly totals occurred in May in England with ·3 inch at Plymouth; and in Ireland, with ·7 inch at Dublin. At St. Aubins (Jersey) the total for the month was only ·16 inch. December gave the smallest totals in Wales, with ·7 inch in Denbighshire; and in Scotland with ·07 inch at Ullapool, ·08 inch at Loch Quoich (Loan), ·13 inch at Glenelg Manse and ·40 inch at Laggan (Gergask). The most remarkable of these falls is undoubtedly that in December in Scotland. In fact, so small a fall in this region is even more unusual than a month without any rain in the south-east of England. At Loch Quoich, December, 1927, was the driest month of any name since records began there in 1868.

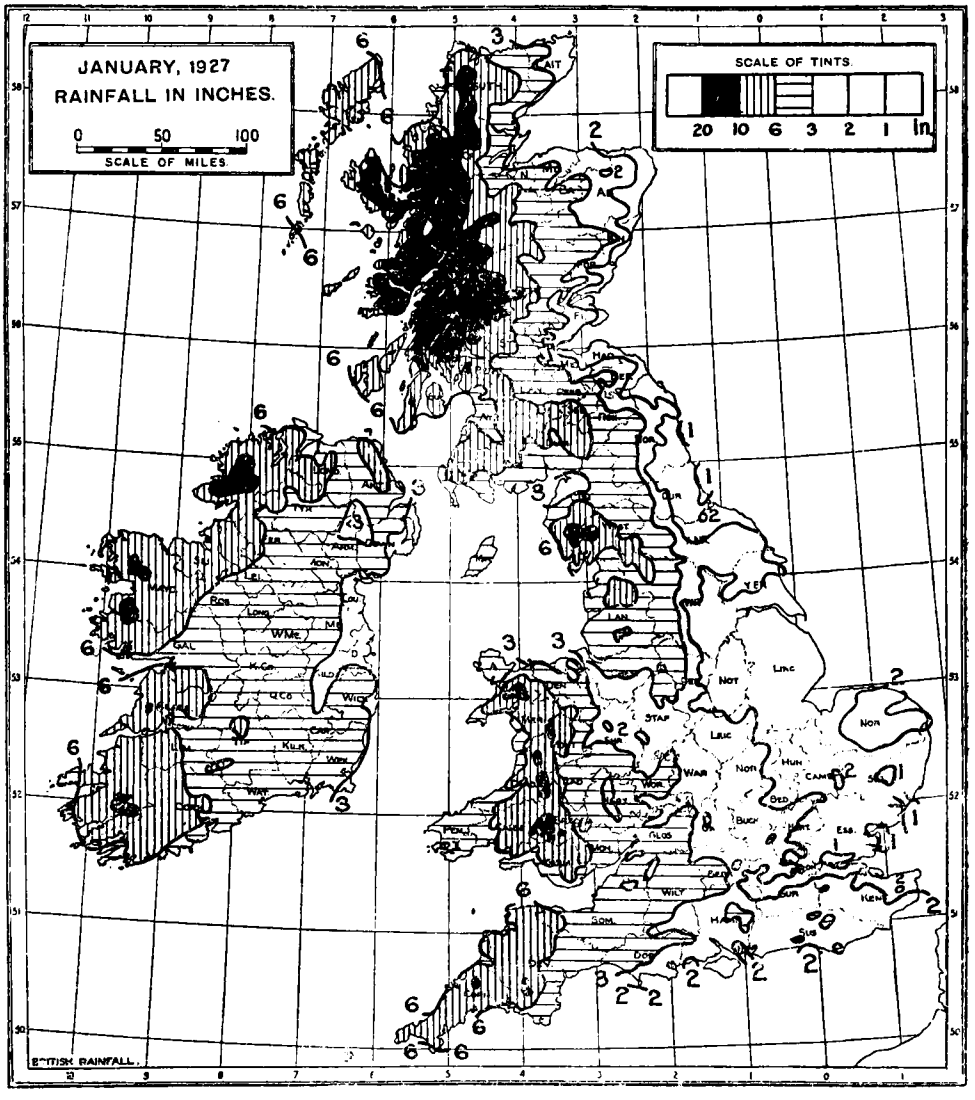
(*b*) *Extremes of Monthly Percentage Values.*—Monthly totals of more than three times the average were recorded in April locally in Sutherlandshire; and in September in a number of well defined areas between Aberdeenshire and the Thames Valley. The largest percentage values given in Table XXI include 394 at Edinburgh; 348 at Calne, Wiltshire; 330 at Stobo Castle, Peebleshire; 320 at High Wycombe, Buckinghamshire; 318 at Weymouth; 315 at Oxford, and 314 at New Deer, Aberdeenshire.

On the other hand, values of less than 10 per cent. were found in December in the Western Highlands of Scotland, and less than 25 per cent. over most of the western half of Scotland, in the English Lake District and in part of Donegal. The only other month with less than 25 per cent. of the average was May, when a small area near Beccles, Suffolk, received slightly less than this amount.

The Rainfall and Weather of the Individual Months.

*** Maps showing the distribution of mean pressure and the movements of the centres of depressions for each month are published in the *Monthly Weather Report*.

January was generally rather mild and stormy, although there were a good many bright intervals. The first few days of the month



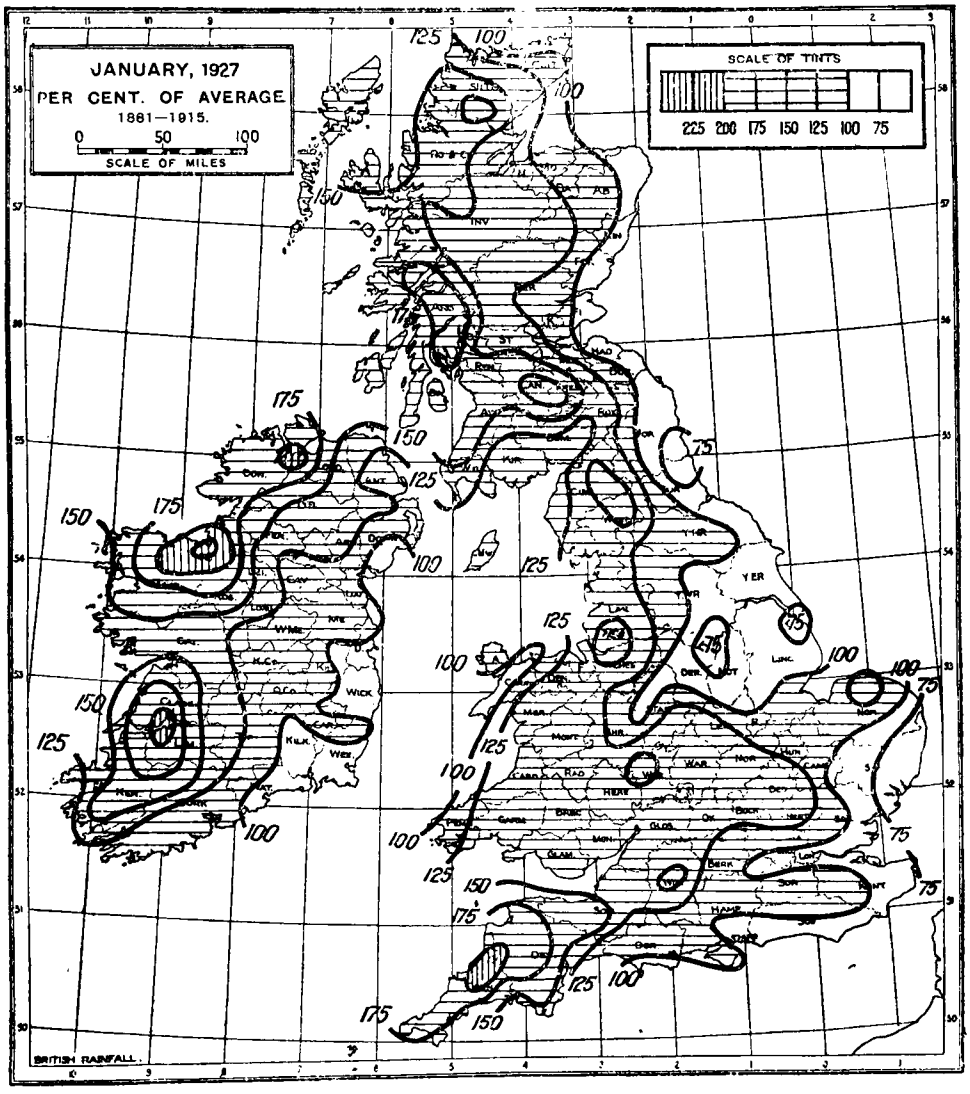
Rainfall, January, 1927.

completed in many places a dry spell which had persisted throughout the later half of December, 1926. In the west of Scotland and north-west of Ireland a wet spell was recorded during the month.

The mean pressure for the month at 7 a.m. was everywhere below the average, but the gradient of pressure between the north and south was much steeper than usual. On the average the pressure gradient between Stornoway and the Lizard is 9 mb., but during January, 1927, the difference was as much as 16 mb. This type of pressure distribution is generally associated with a greater contrast between

the rainfall of the west and east than on the average map. That was actually the case in January, 1927, for on the percentage map there is a very large variation of from less than 75 per cent. in small areas round Middlesbrough, Louth, Sheffield and Felixstowe to more than 200 per cent. in the south-west of England and parts of the west of Ireland.

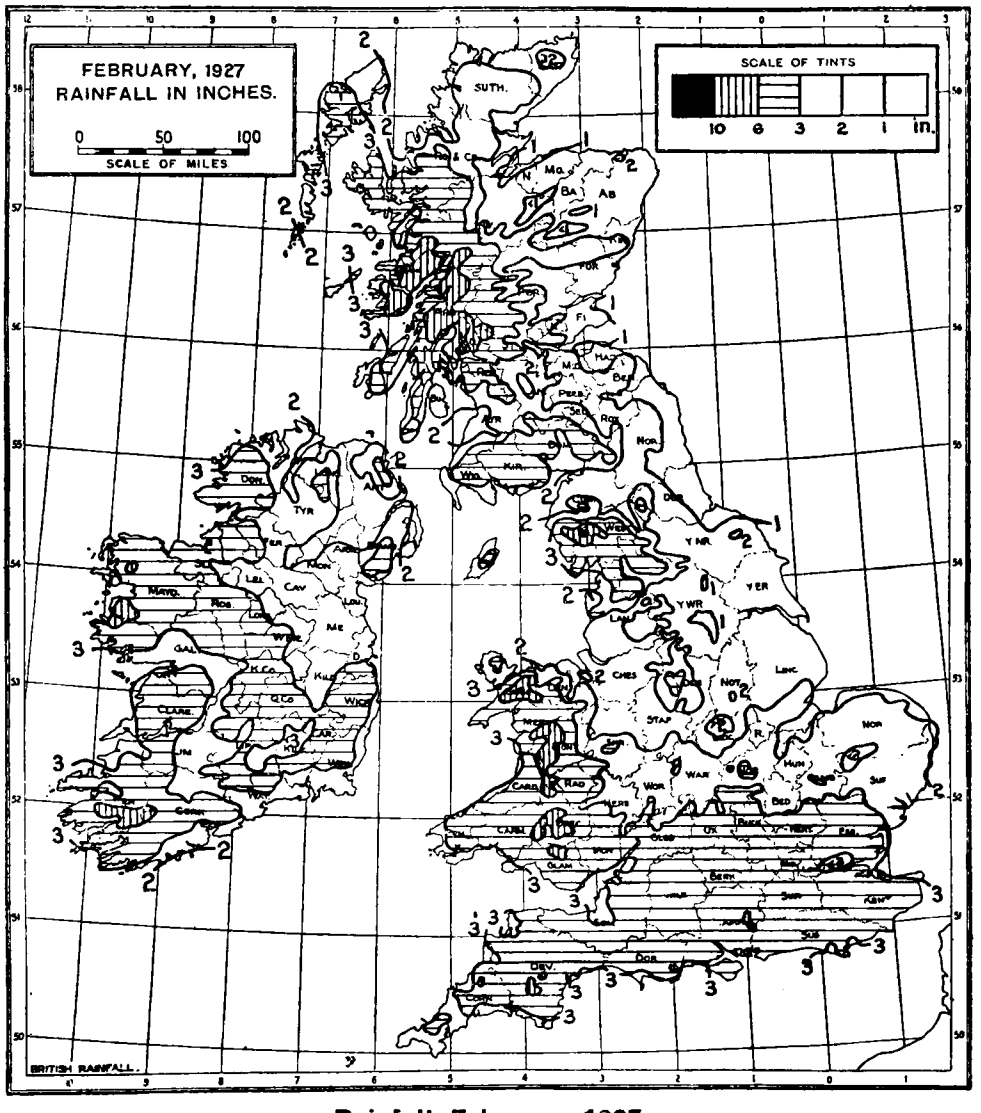
This type of pressure distribution is associated with an excess of



Rainfall, January, 1927, as per cent. of average.

orographical rains and some large totals of rainfall were actually recorded. The map of the rainfall of the month shows more than 10 inches on Dartmoor, over much of Wales, the English Lake District, a large area in the Western Highlands from Greenock to Loch More, as well as the mountainous regions of Kerry, Clare, Connemara and Donegal. On the other hand, less than 1 inch was recorded over small areas between the Thames Estuary and the Wash and near Sunderland.

February. Apart from the 1st, when there was heavy rain at some stations in the south, the first half of the month was generally of the anticyclonic type, and cold dry and foggy weather prevailed. Subsequently the month was mild and unsettled.



Rainfall, February, 1927.

In each country more than the average for the month was recorded; in Scotland this occurred only locally near Loch Fyne, in Ireland over a large belt across central districts, and in England and Wales over the greater part of the southern half as well as in part of the north of Lancashire. In Scotland the range was from rather less than 40 per cent. in the Cheviots and a large area stretching from Cape Wrath to Balmoral, to 104 per cent. at Inveraray Castle in Argyllshire. In

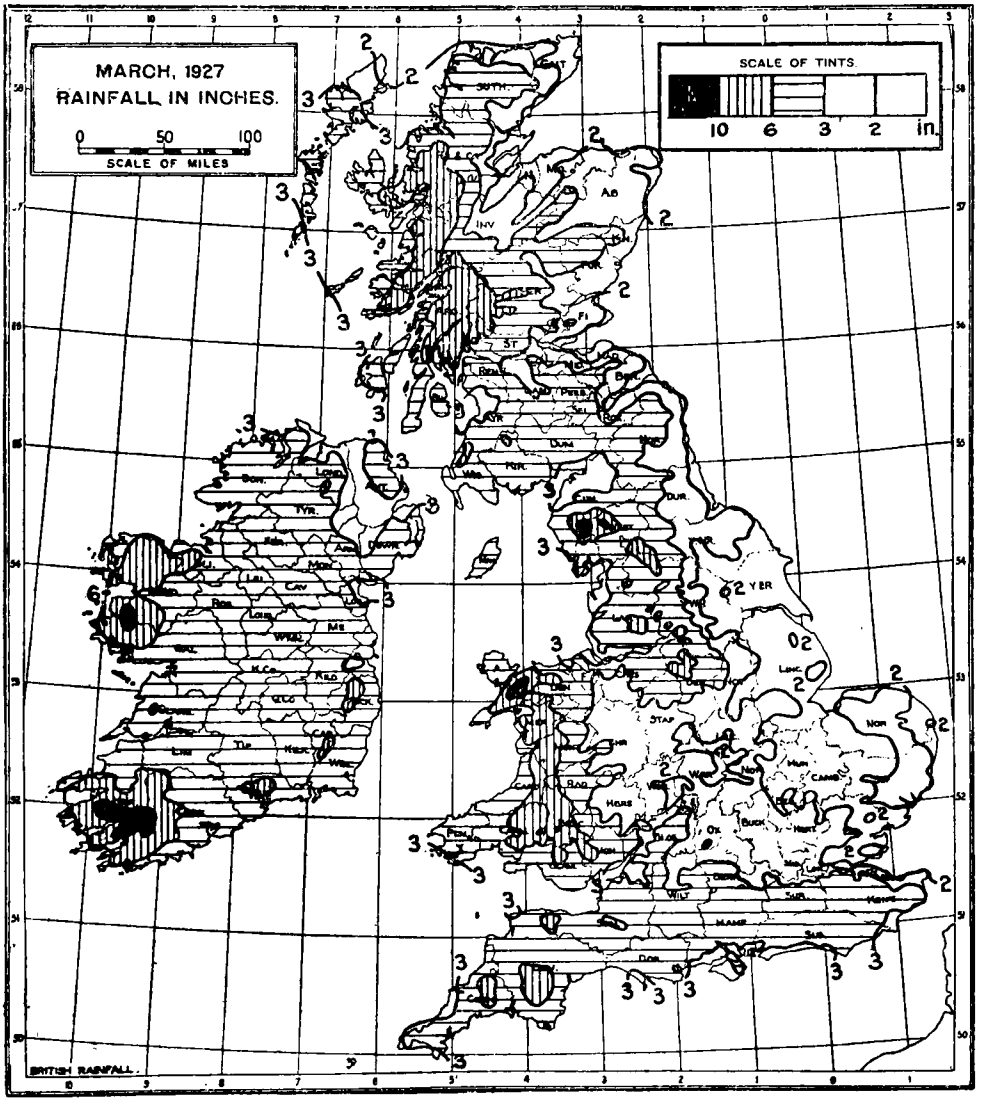
Ireland the range was somewhat greater being from about 50 per cent. in the extreme south and north to rather more than 125 per cent. in Co. Dublin and Co. Carlow. The range was greatest in England, and extended from 31 per cent., or ·60 inch, at Hallington to the west of Newcastle, to 252 per cent., or 3·98 inches for the month, at High Wycombe in Buckinghamshire.

Rainfall, February, 1927, as per cent. of average.

Features of interest in the rainfall map are the large areas in the south of England with more than 3 inches, reaching 6 inches locally near Petersfield, the small area with more than 6 inches in the Western Highlands and the inland valleys of the east of Scotland with less than 1 inch.

March was generally mild and unsettled.

The areas with more than the average rainfall were much more widespread and the range smaller than in February. As in February some of the largest excesses occurred in the southern half of England and Wales, but in March the south-east of Ireland was also unusually wet. Less than the average was recorded over the extreme north of

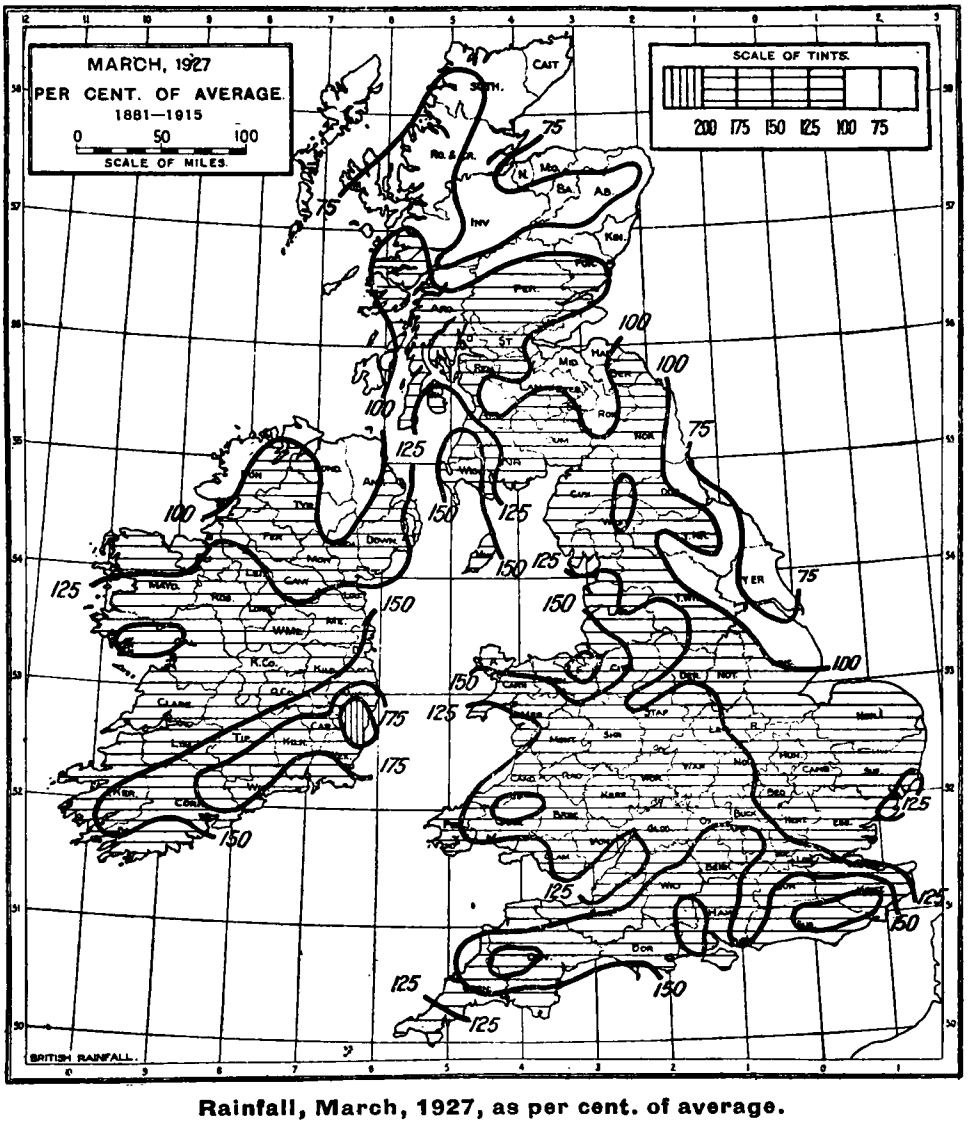


Rainfall, March, 1927.

Ireland, the northern half and south-east of Scotland as well as over a strip along the east coast of England stretching as far south as the Wash. Over a large part of the north of Scotland and round Flamborough Head there was less than 75 per cent. of the average. More than twice the average was recorded only in parts of Co. Wicklow and Wexford. Dry spells continued from March 7th to 21st at stations in Hereford, Gloucester and Northampton as well as at Fortrose in

Ross-shire (Section 3). The first week of the month completed a wet spell commencing in February at certain stations in the west (Section 4).

On the average rainfall map for March there are three well defined areas with less than 1·5 inch, in the neighbourhood of the Thames Estuary, to the south of the Wash and near Goole. On the map for

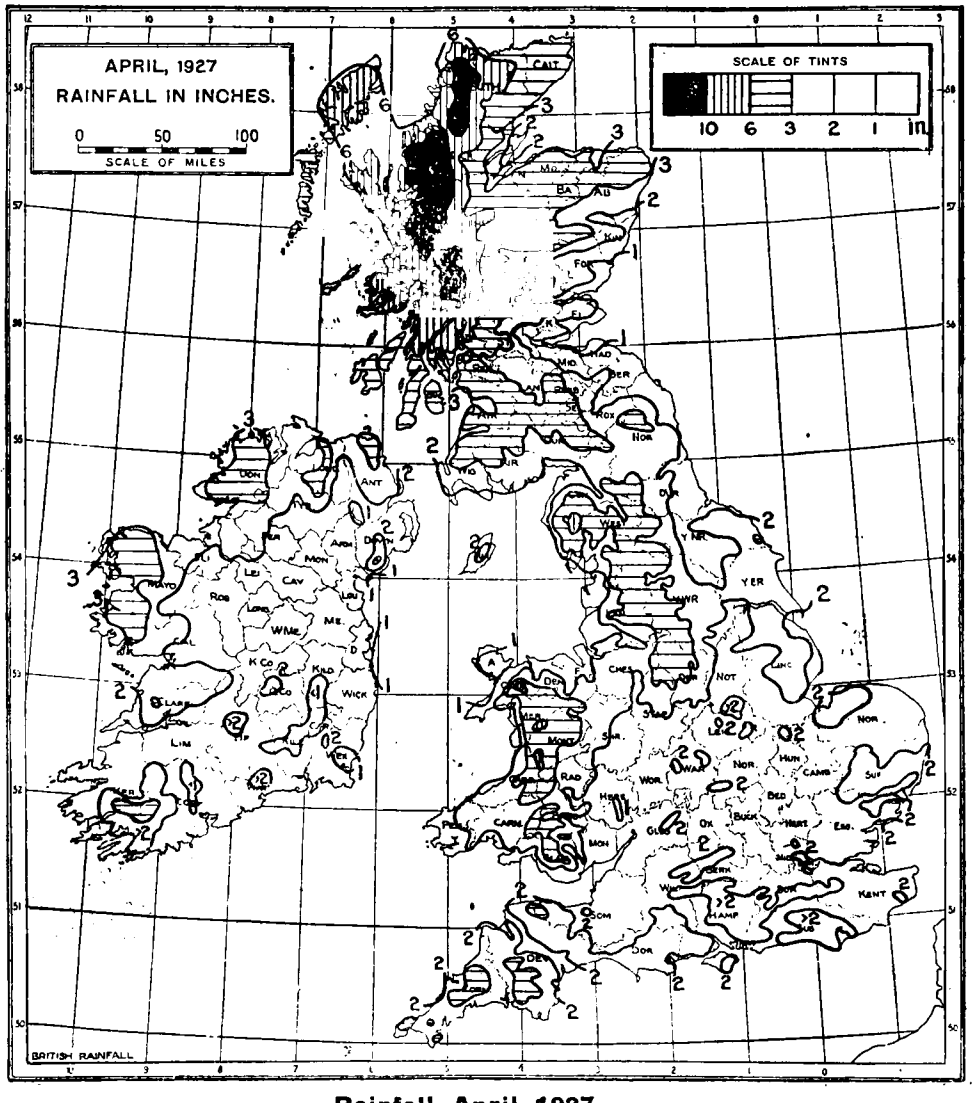


Rainfall, March, 1927, as per cent. of average.

March, 1927, the latter two areas were well developed, but in the Thames Estuary the rainfall was generally more than 1·7 inch. Usually in March the fall over a large part of the Western Highlands exceeds 10 inches, but in 1927, 10 inches was reached only locally. On the other hand, the map reproduced here shows areas with more than 10 inches in Kerry and Connemara, which do not occur on the average map.

April was generally unsettled early in the month with frequent rain and showers of hail, sleet and snow. Fine warm weather prevailed from the 18th to the 21st, and cold weather with severe local ground frost during the last week of the month.

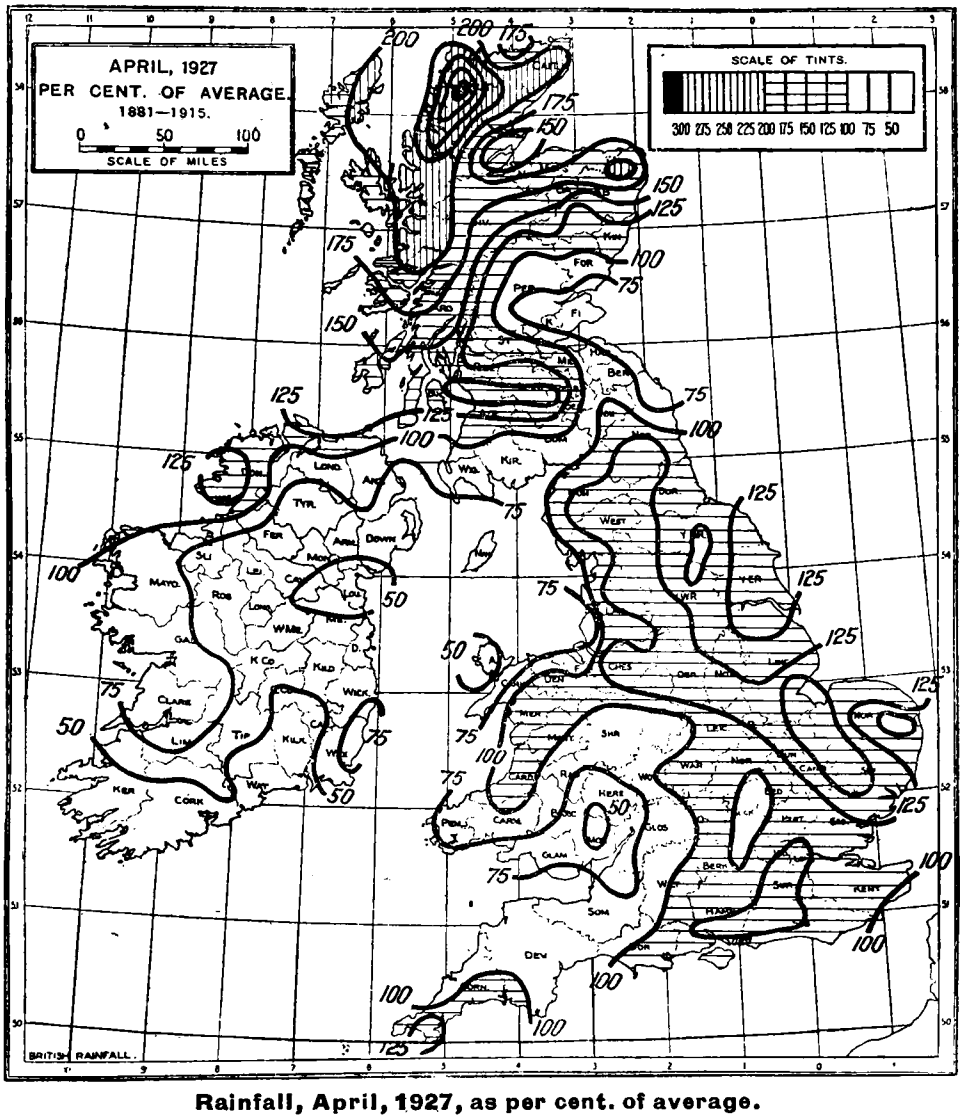
The monthly percentage map shows greater variation than usual. The areas with excesses predominated in England and in Scotland.



Rainfall, April, 1927.

More than twice the average was confined to the north-west of Scotland and part of Aberdeenshire. At Deerness the fall of 6·10 inches was 295 per cent. of the average for the month, while at Achfary, on Loch More in Sutherlandshire, the fall of 15·37 inches was 317 per cent. of the average. At Achfary rain fell on 28 days of the month, the smallest fall being ·08 inch, while on each of five days more than 1 inch

was recorded. On the other hand, less than half the average was recorded in part of South Wales, in Anglesey, the south-west of Ireland, as well as an area to the north of Dublin. Thus at Dunmanway Rectory in Co. Cork the fall of 1·60 inch was only 39 per cent. of the average and the rain was confined almost entirely to the first half of the month.



Rainfall, April, 1927, as per cent. of average.

Less than 1 inch for the month was recorded over considerable areas in the south-east of Ireland, as well as locally near Dublin, Holyhead and Hereford. On the other hand falls of more than 10 inches were confined to the Western Highlands, and as much as 15 inches was recorded on Loch More in Sutherlandshire and Ben More in the Isle of Mull.

May was generally cool in the north, and warm and sunny in the south.

This was the first month of the year with a rainfall below the average over the British Isles as a whole. Scotland, which had recorded less than the average in February and March, was slightly in excess of the average in this month. More than the average occurred

Rainfall, May, 1927.

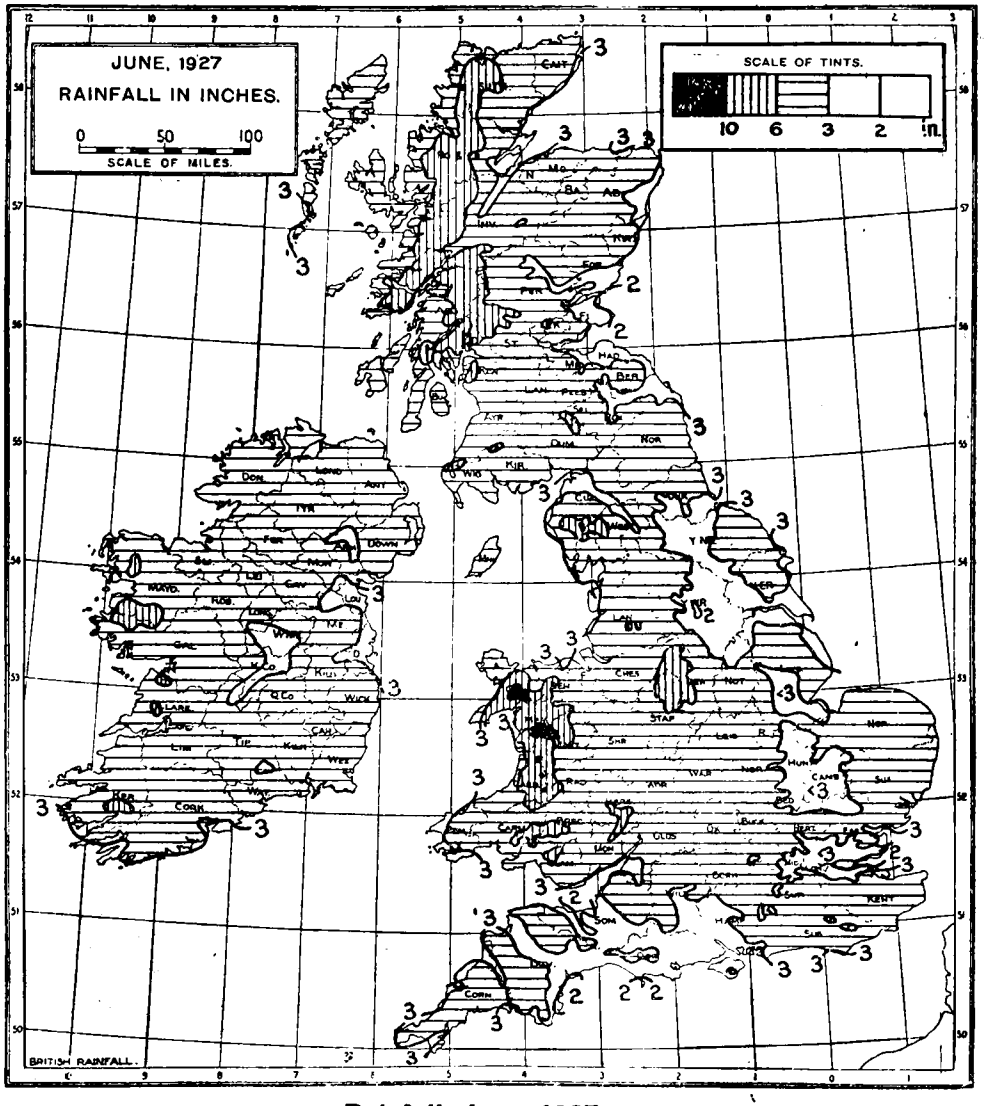
in Scotland over four well defined areas—the Southern Uplands, Argyllshire, most of the Grampians and adjacent district and the extreme north coast. Elsewhere falls in excess of the average were confined to the south of the Mourne Mountains and part of the English Lake District. The gradient on the percentage map between Logie Coldstone in Aberdeenshire and Grantown-on-Spey was very steep owing mainly to the heavy fall on the 21st at the latter station. The

gradient between these two stations on the rainfall map was less marked because Logie Coldstone is usually the wetter station. In Ireland small areas received less than half the average, while in England this amount was recorded along much of the south and south-east coasts, as well as in Oxfordshire, Herefordshire and North Lancashire. In South Devon and part of Suffolk less than one quarter of the average was recorded.

Rainfall, May, 1927, as per cent. of average.

The most interesting feature of the rainfall map is the large area in England with less than 1 inch. These areas were confined mainly to the south-east and south-west. At Margate, Calshot, parts of East Anglia and South Devon the total fall was only half an inch. Less than 1 inch was also recorded over parts of Central Ireland.

June was very cool, with much heavy rain and high winds, especially during the last two weeks. The main feature of the weather of the month was the unusually large number of barometric depressions which passed across these islands. The mean pressure for the month was everywhere decidedly below the average.

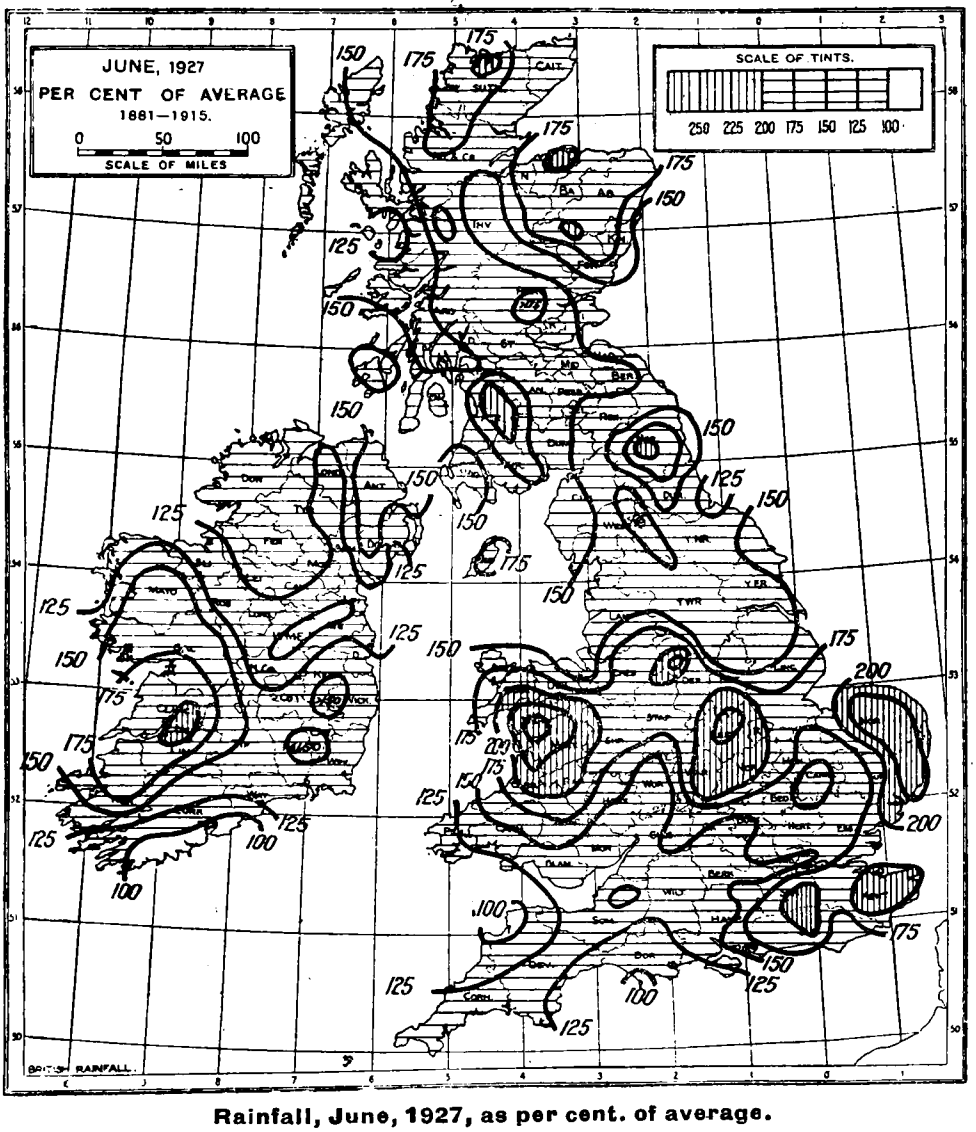


Rainfall, June, 1927.

The rainfall was in excess of the average everywhere except over two small areas in Ireland, a strip along the south coast and in the Central Plain, as well as in North Devon and at Portland Bill. Falls exceeding twice the average occurred in each country, locally in Ireland and Scotland, near Foynes in County Limerick, Kilmarnock in Ayrshire, Balmoral in Aberdeenshire, Gordon Castle in Morayshire and Tongue in the extreme north of Sutherlandshire. In England

and Wales the areas with more than twice the average were more widespread, occurring in parts of Northumberland, parts of a broad belt stretching across the country from Dolgelly to Yarmouth and in the extreme south-east.

Usually in June falls of more than 3 inches are rare in the eastern half of England and Wales and a considerable portion of the extreme

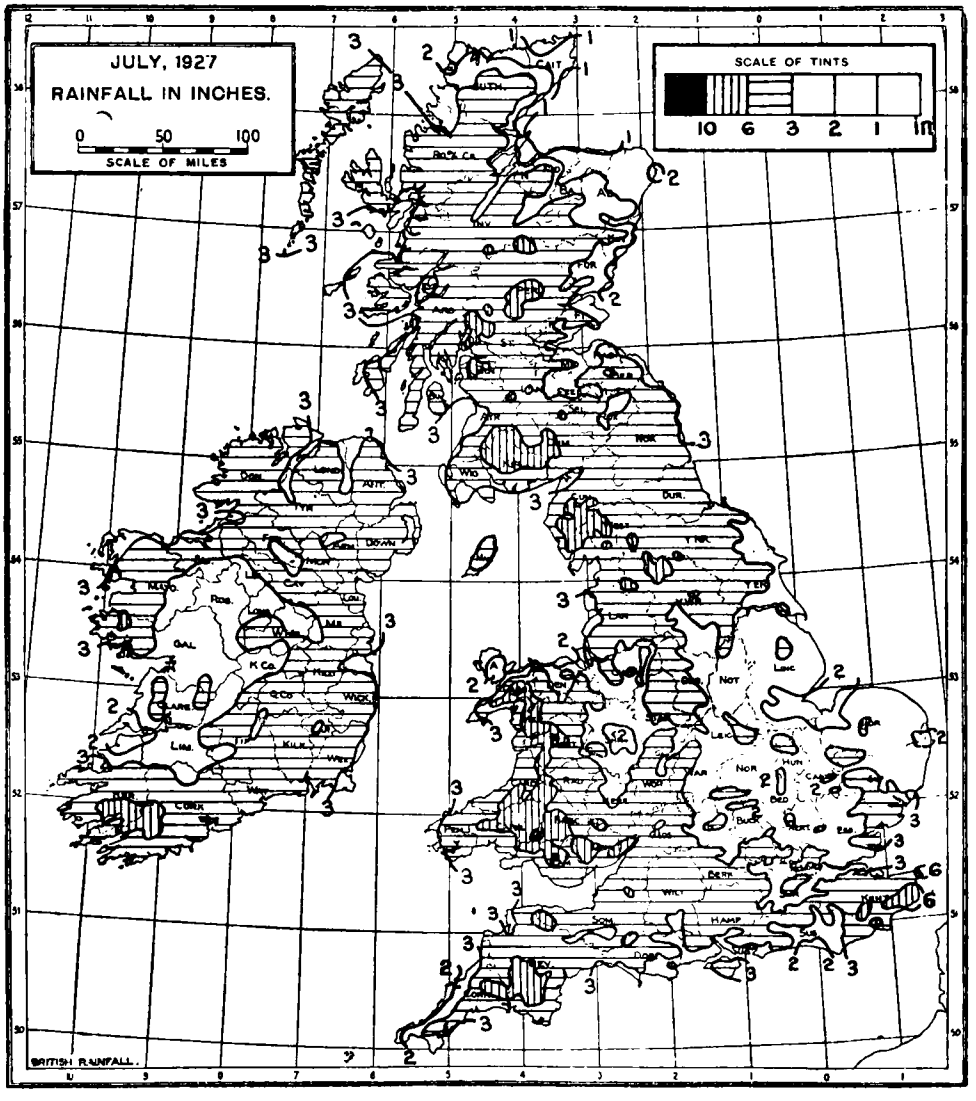


Rainfall, June, 1927, as per cent. of average.

east receives less than 2 inches. In June, 1927, the rainfall everywhere exceeded 2 inches, falls of more than 4 inches were widespread with as much as 7 inches locally in Sussex. Usually the heaviest rainfall in June does not reach 10 inches, but the rainfall map shows considerable areas in central and northern Wales and a small area in the English Lake District with more than this amount.

July was unsettled, thundery and mainly dull.

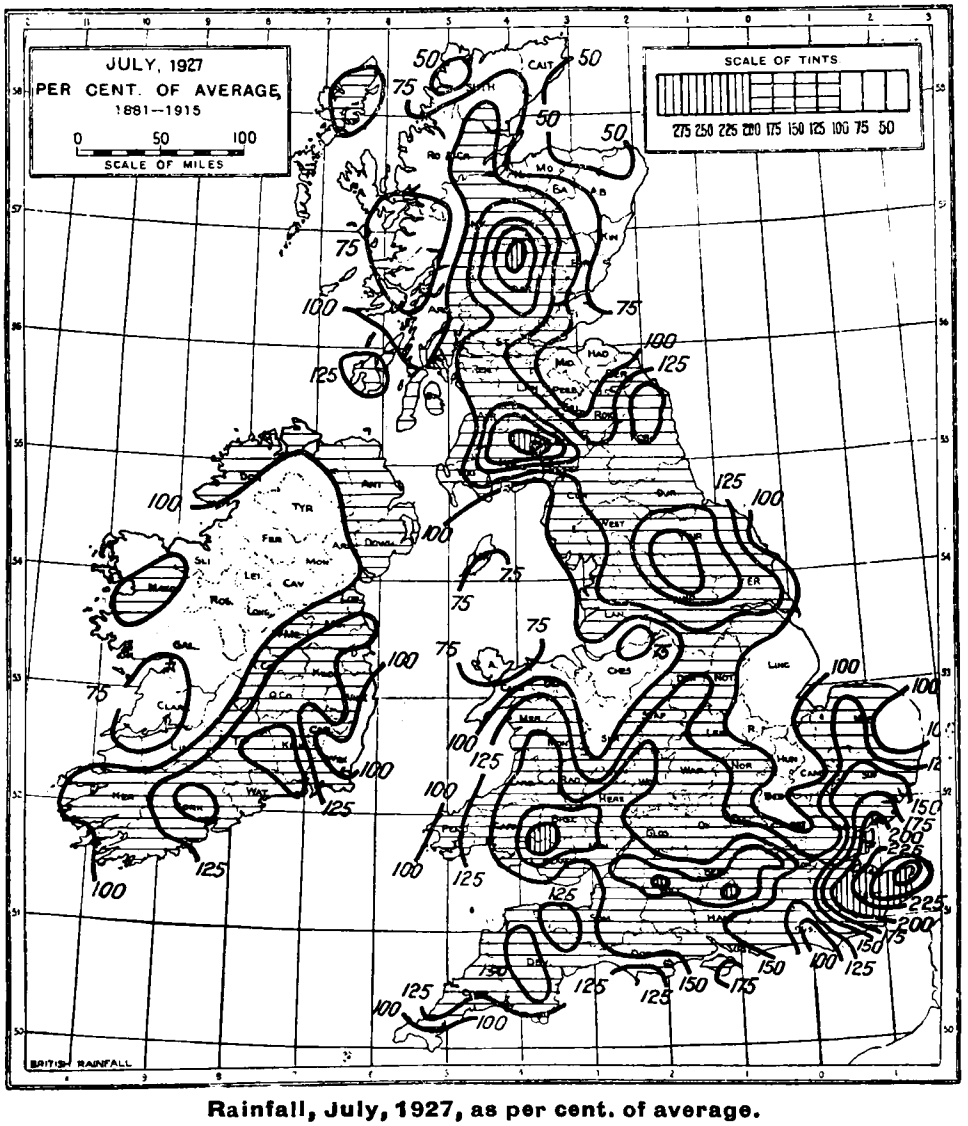
Areas with excesses predominated, especially in England and Wales. In Ireland the range was relatively small, the rainfall varying from less than 75 per cent. in Co. Clare to over 150 per cent. in parts of Co. Cork and Co. Kildare. In Scotland there was less than the average along a broad strip along most of the west, north and east coasts, with less than half the average in parts of Sutherlandshire and



Rainfall, July, 1927.

along the north coasts of Banffshire and Aberdeenshire. The falls at Dumfries and Blair Castle in the Grampians were as much as 230 and 225 per cent. of the respective monthly averages. At the former station the total of 7·10 inches was made up by falls on 22 days, on no one of which did as much as 1 inch fall. At the latter station half the total of 5·77 inches occurred on the 5th and 10th. The driest parts of

England and Wales, relatively to the average, were near Manchester and Holyhead, where the percentage falls were 57 and 63. Less than the average also occurred in the Isle of Man, in parts of East Anglia, near Land's End and Brighton. More than twice the average was recorded over small areas between Ystalyfera in South Wales, and Broadstairs. At the latter station the fall was 5·91 inches or 284 per cent. of the average. This was largely accounted for by the falls of the 6th and

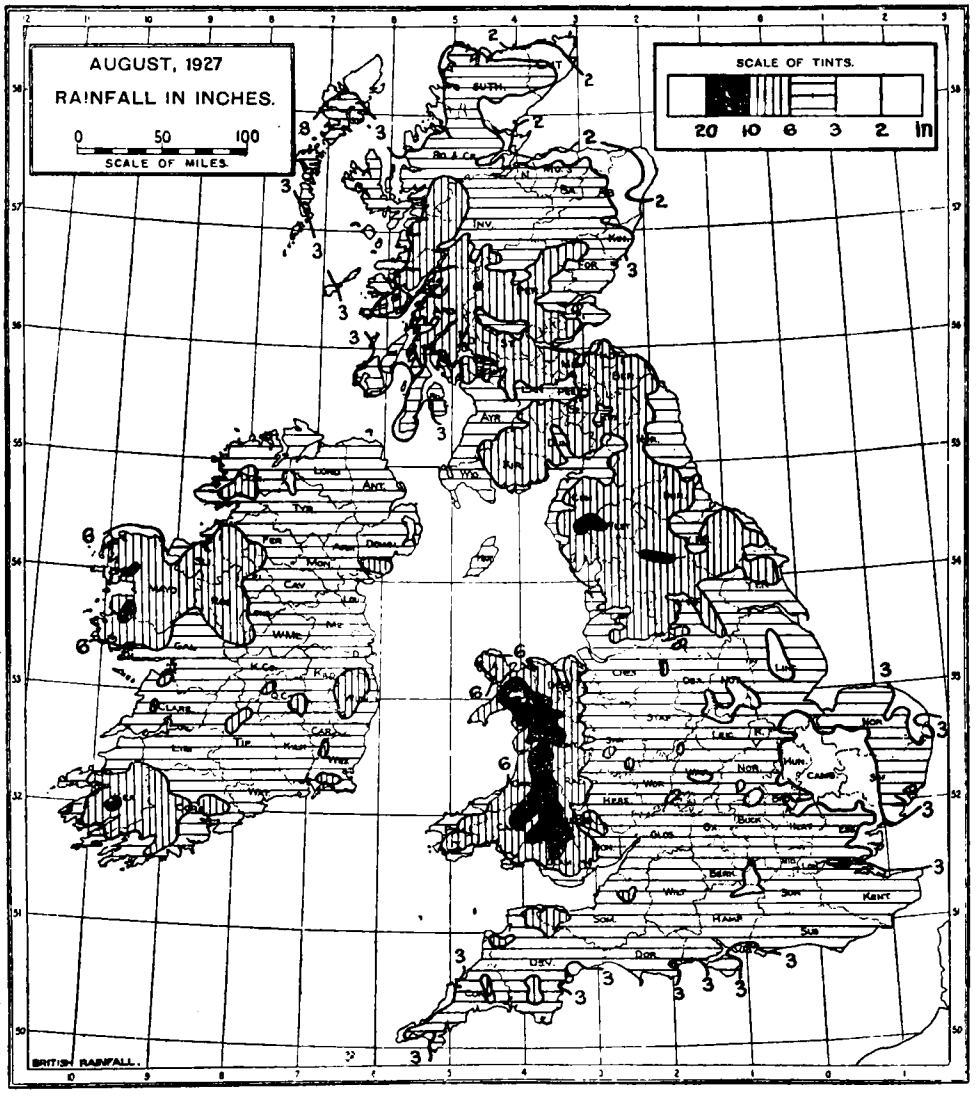


Rainfall, July, 1927, as per cent. of average.

14th of 1·86 and 2·08 inches. The heavy falls on the 6th especially in parts of Kent, Essex and Suffolk, on the 11th in parts of the west of London and the Midlands and on the 14th in parts of South Devon, are dealt with in Section 7.

Owing to the intense thunderstorm rains the distribution shown on the rainfall map is naturally more irregular than usual.

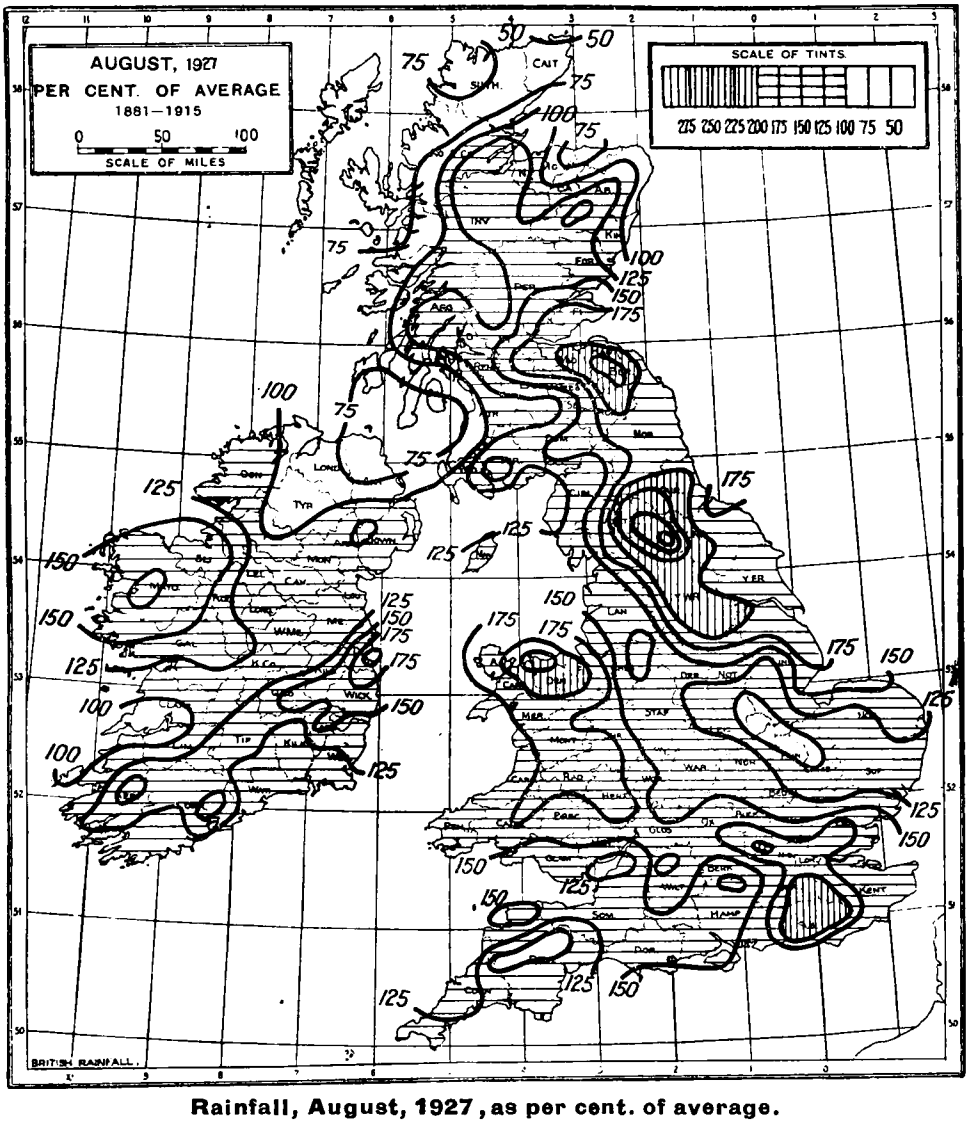
August. Apart from a few fine days at the beginning and end of the month, the weather during August was generally very unsettled and wet.



Rainfall, August, 1927.

The largest area with less than the average for the month included Co. Tyrone, the west coast of Scotland, and a broad belt along the north and east coasts as far south as Aberdeen. Less than the average was also recorded near the mouth of the Shannon, in Devonshire and part of the Fen District. There was more than twice the average near Dublin, in the extreme south-east of Scotland and north of England, in North Wales and in parts of the south of England from High Wycombe to Brighton.

The frequency of the rainfall during the month is illustrated in Section 2, where it is shown that over the country generally the number of rain days was 21 or 4 in excess of the average, and more than the usual number for December.

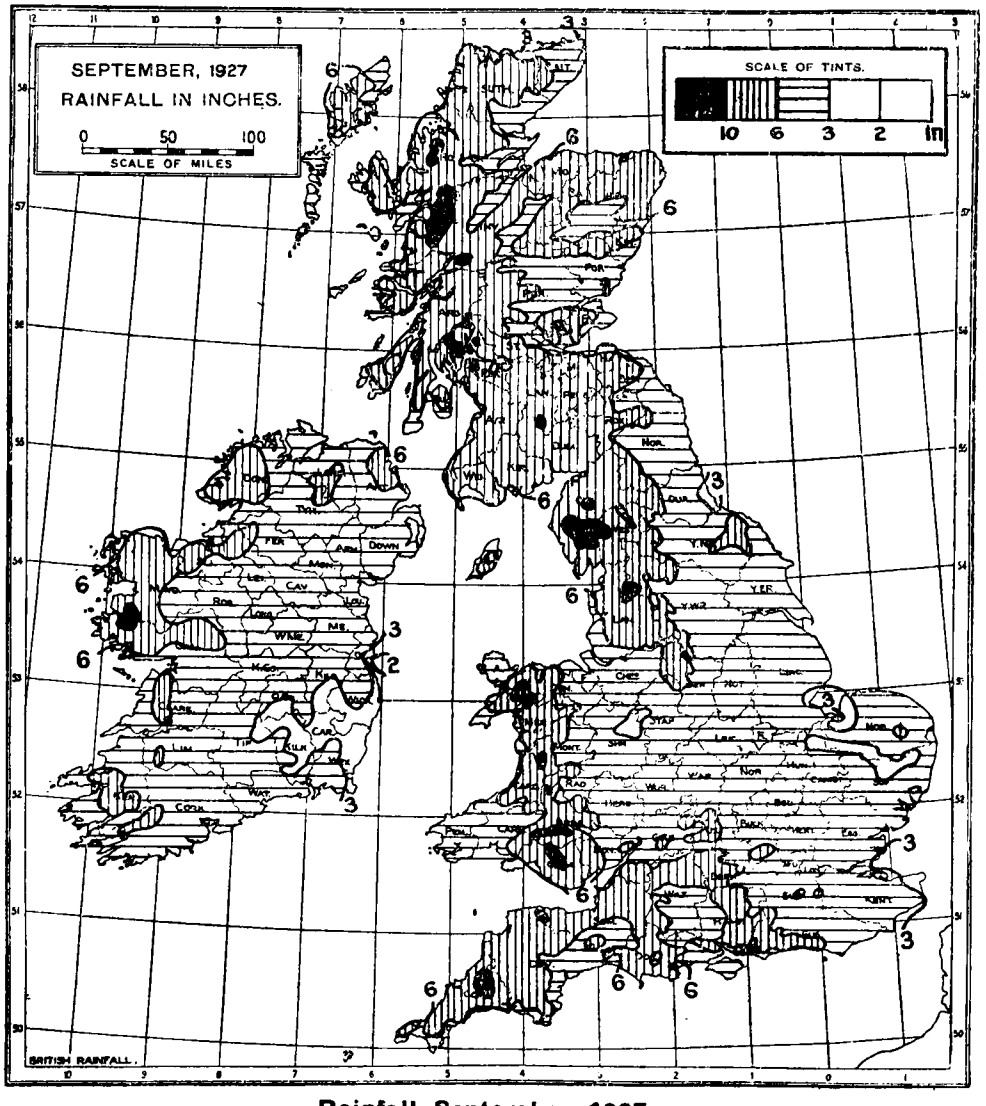


Rainfall, August, 1927, as per cent. of average.

Some of the largest totals of the year were recorded in this month, more than 20 inches occurring in North Wales and the English Lake District. The persistent rainfall of the 27th contributed to this total; no less than 6 inches fell at Blaenau Festiniog and about 4 inches on Snowdon. The large area in the south-east of England with more than 3 inches was also a remarkable feature of the month.

August was the third unusually wet month of the year over the country generally, with a fall over the country of 140 per cent. of the average. The excess was most marked in England and least in Ireland.

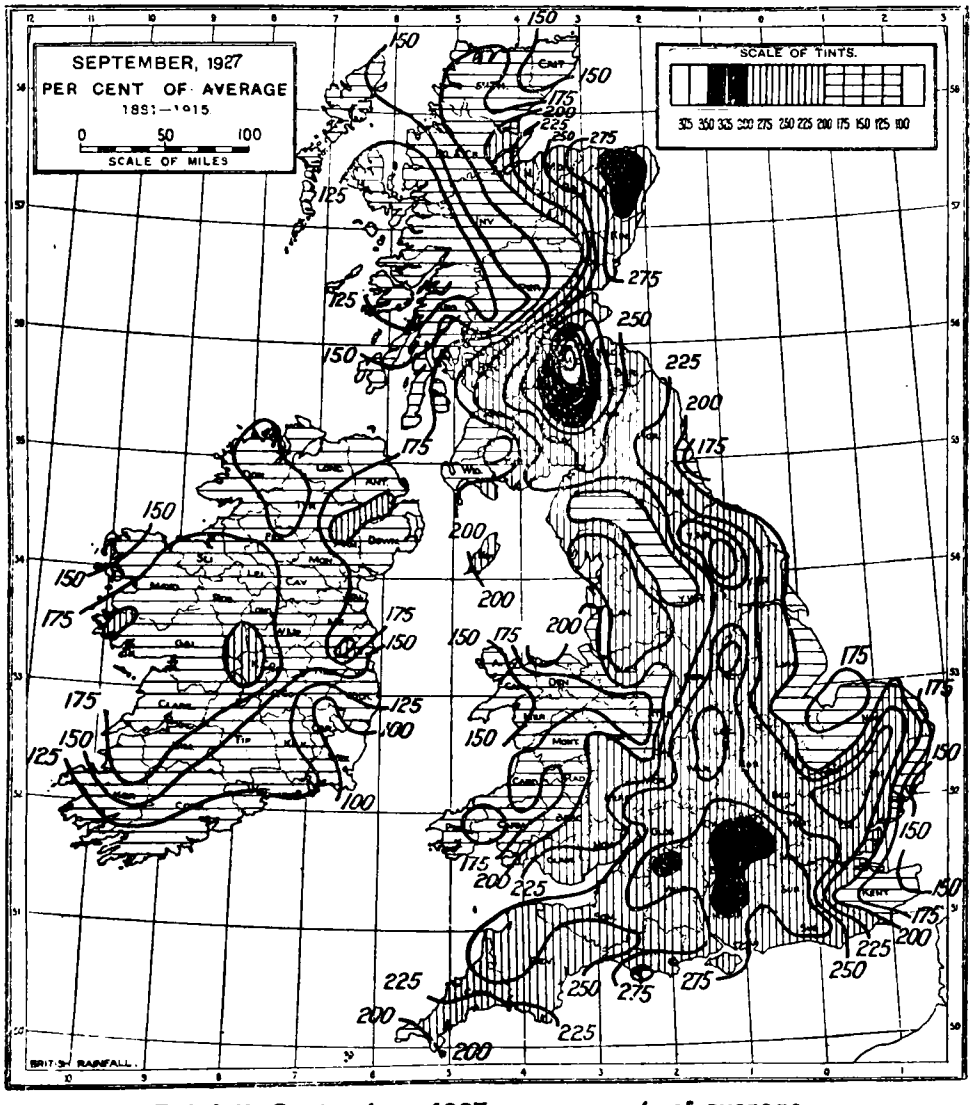
September. Apart from a few fine warm days at the beginning of the month, the weather during September was unsettled, extremely wet and cold.



Rainfall, September, 1927.

For the fourth month in succession the mean pressure was below the average in all districts, and the rainfall over the British Isles generally was in excess of the average in each of these summer months. The rainfall of September was by far the most remarkable of the four. In spite of the general wetness a small area in the south-east of Ireland recorded just short of the average for the month, well illustrating the variability of the rainfall from place to place, so marked a feature of the rainfall of these islands. Falls of more than 150 per cent. of the average were widespread and as much as three times the average was

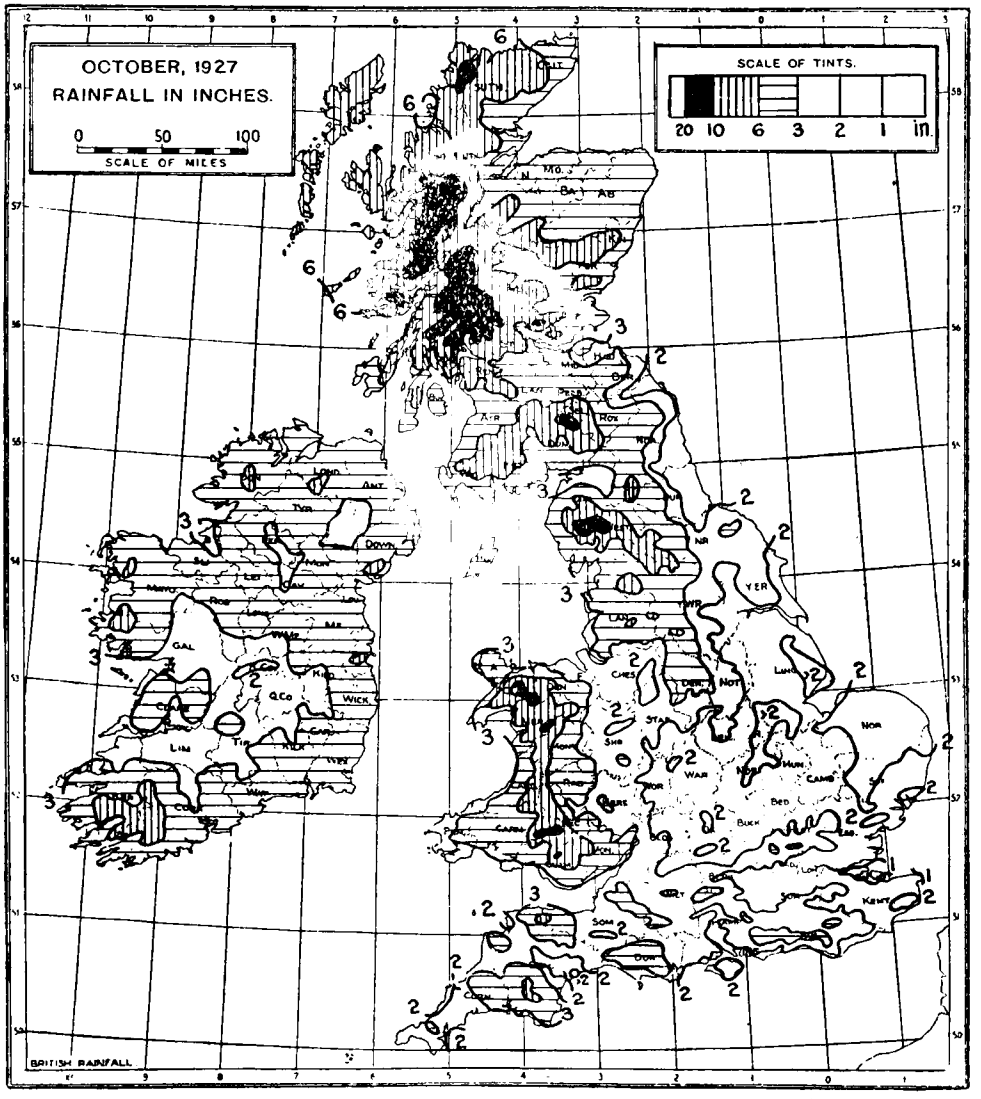
recorded in Aberdeenshire, to the south of the Firth of Forth, in parts of the Thames Valley and at Weymouth. The percentage falls at High Wycombe in Buckinghamshire for the months June to September were 195, 188, 222 and 320. The total for these four months was 18·70 inches or nearly three-quarters of the average rainfall for a whole year. The rain during this period was frequent rather than



Rainfall, September, 1927, as per cent. of average.

intense, for on only one day, the 14th September, was more than ·90 inch recorded. The rainfall of this day was much heavier in other parts of the country, exceeding 3 inches in Breconshire and more remarkably in part of Norfolk (*see* Section 7). At Edinburgh the total of 7·80 inches was nearly 4 times the average for the month, the falls of the 20th, 21st and 22nd contributing nearly half this total.

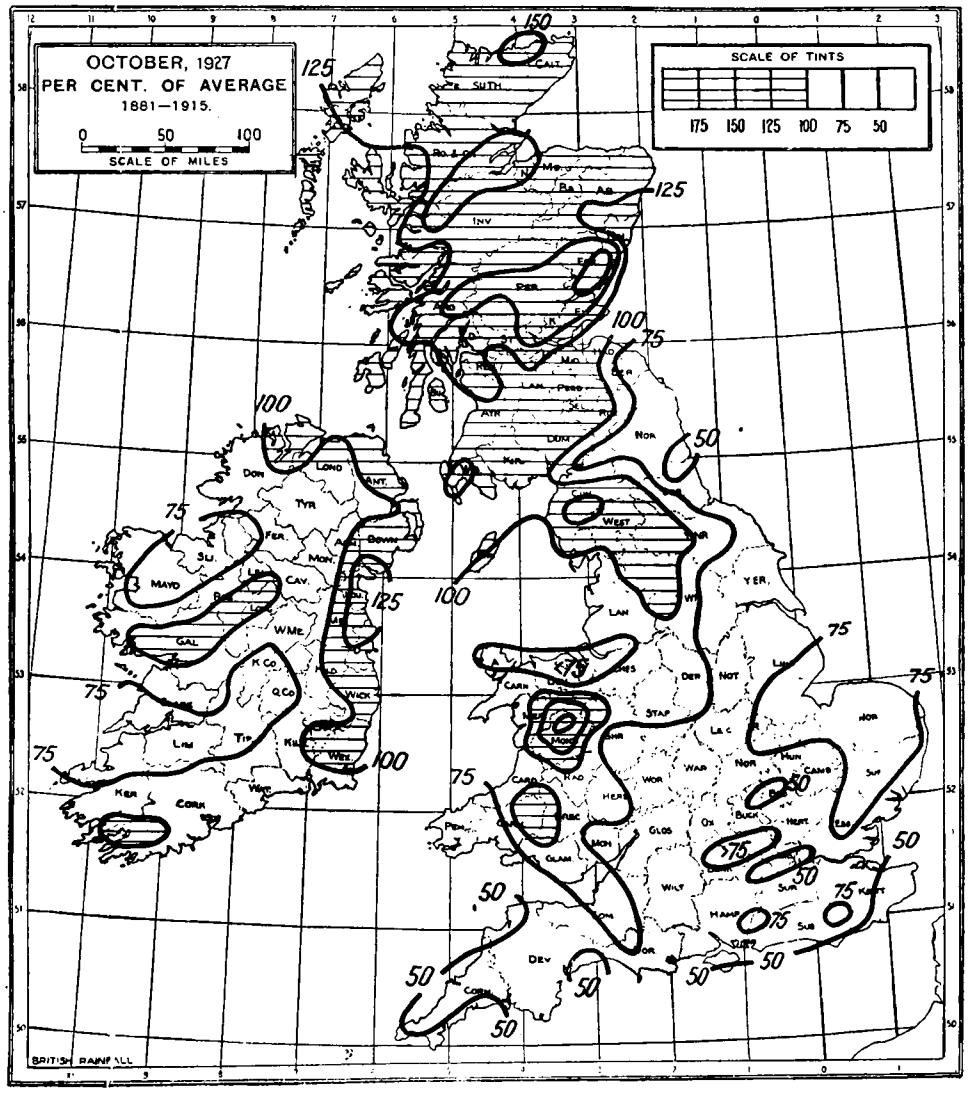
October.—The first half of the month was generally fine and dry, reaching the intensity of a dry spell in parts of the southern half of England and south-east Ireland. The second half was unsettled, with wet spells in the north-west of Scotland and Ireland which continued into November (Section 4). The last week was abnormally mild, with destructive gales during the night 28th–29th, accompanied by severe flooding at certain coast stations.



Rainfall, October, 1927.

The distribution on the percentage map resembled that of April in that much of England and Wales recorded less than the average, while Scotland was generally unusually wet. There was less than half the average along most of the south coast from Margate to Land's End, from London to Wokingham, in Bedfordshire and near Newcastle.

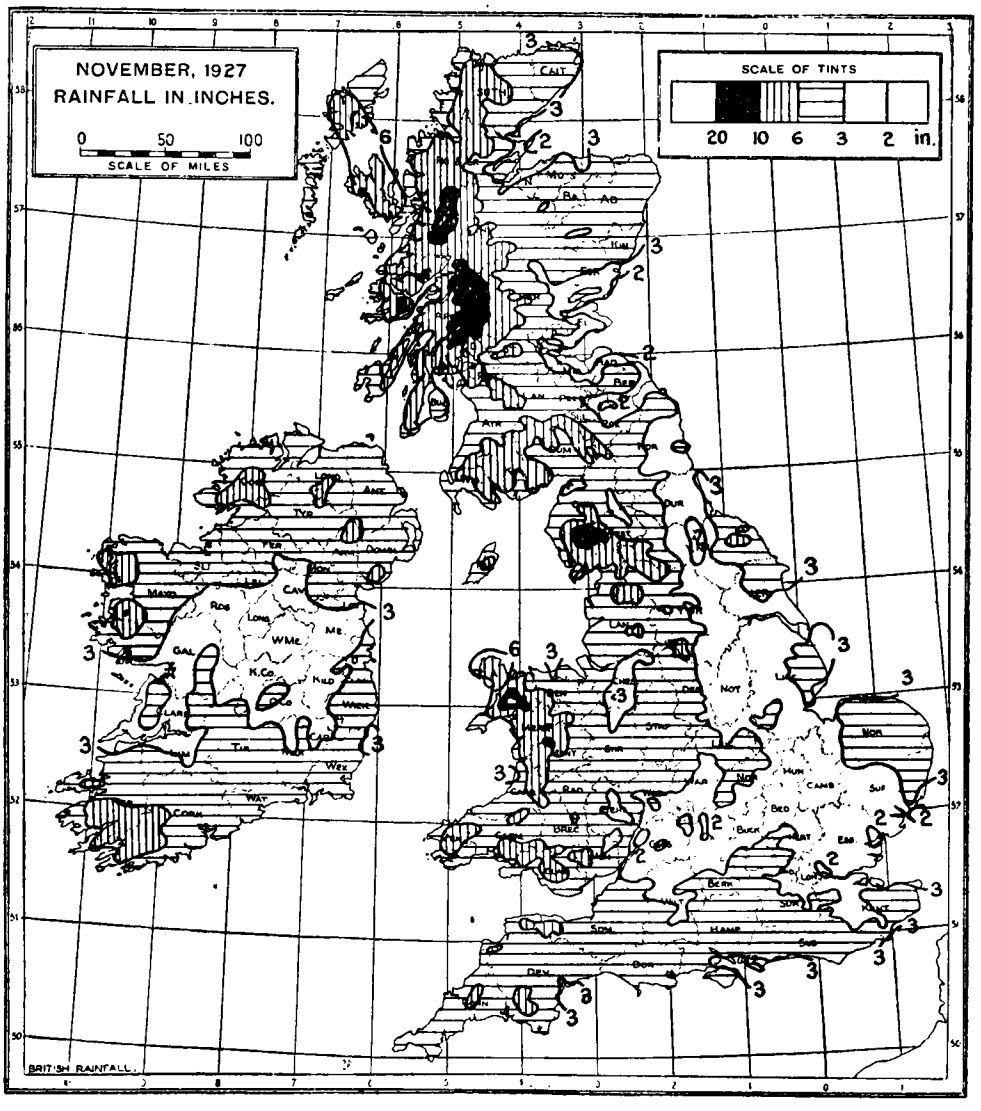
In Scotland falls below the average were confined to the extreme south-east. Most of the country to the north of the Central Plain recorded more than 125 per cent. while round the Caledonian Canal and Perthshire the fall exceeded 150 per cent. In Ireland the range was from less than 75 per cent. in parts of the west to more than 125 per cent. along a narrow strip between Dublin and Greenore.



Rainfall, October, 1927, as per cent. of average.

The rainfall over the country generally was 3 per cent. less than the average for October, and the number of raindays was 17 compared with an average of 19. October gave the largest monthly total on record for the year, *viz.*, 28 inches on Snowdon. The area with more than 20 inches was, however, quite small.

November. November was unusually warm for the first few days, and then followed a week of very cold weather with frequent northerly and easterly winds. The greater frequency of northerly and easterly winds is reflected in the percentage rainfall map by areas with marked excesses along parts of the north and east coasts of Great Britain and of Ireland. More than 150 per cent. was recorded in Aberdeenshire,



Rainfall, November, 1927.

part of the coast of Yorkshire, East Anglia and in Co. Louth as well as in small areas in the Midlands, to the south of the Chilterns and along the north coast of Wales. There was a belt of unusually low rainfall in the neighbourhood of the Firth of Forth, with as little as 58 per cent. of the average at Edinburgh.

The rainfall of November 1st and 2nd was particularly heavy in the north of Wales, the English Lake District and the south-west of Scotland (*see* Section 7), more than 9 inches falling on these two days in Snowdonia.

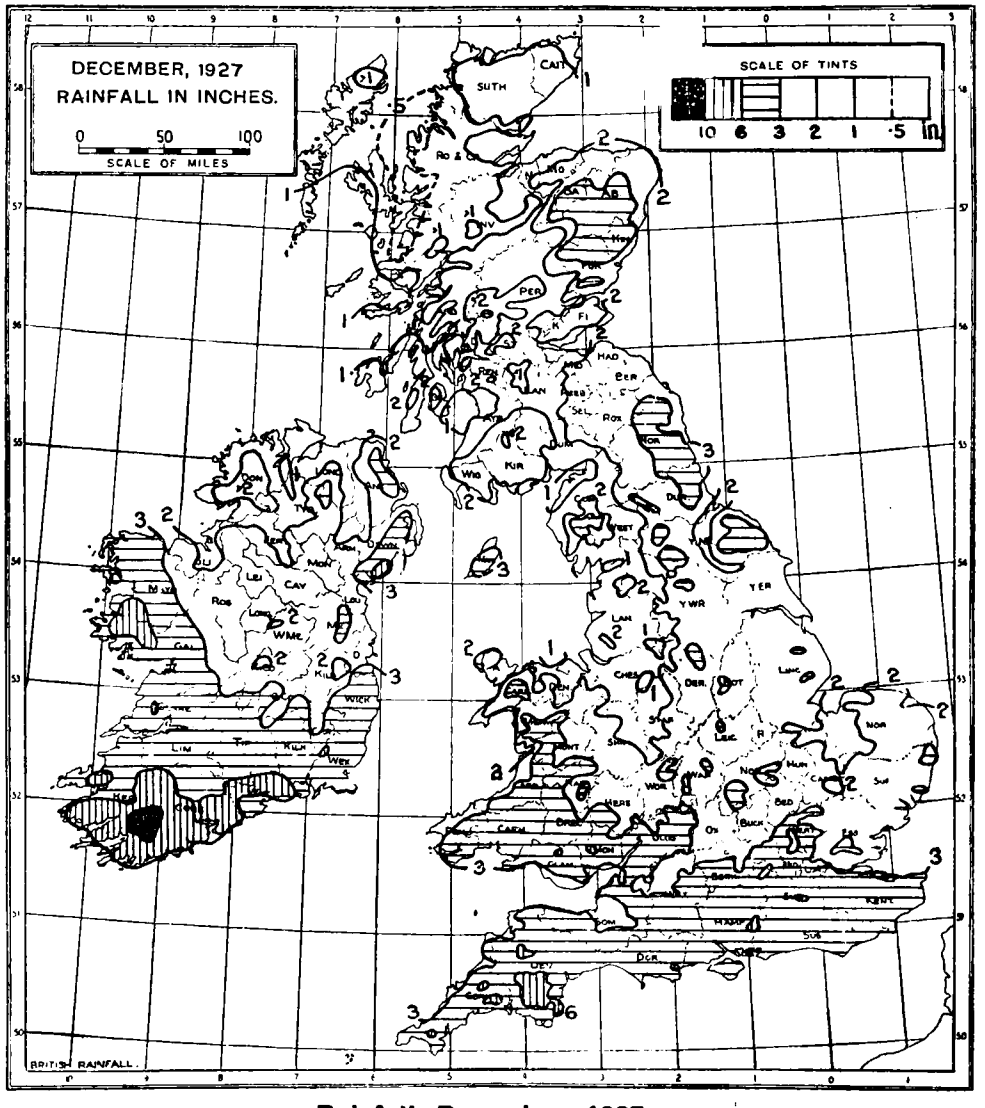
The map of the rainfall of the month shows the unusual features of

Rainfall, November, 1927, as per cent. of average.

more than 6 inches on the north Yorkshire moors, less than 1·5 inch along the Firth of Forth and less than 3 inches near Aberystwyth.

The rainfall over the country generally was 111 per cent. of the average and the number of rain-days was 21 compared with an average of 19, so that the rainfall during the month was rather more frequent than usual.

December was generally cold and dull, with an unusual prevalence of easterly winds. On the 25th snow fell in the Midlands, while heavy rain occurred in the south of England. Snow fell heavily during the night of the 25th–26th over nearly the whole of southern England and on the 26th and 27th in the south-eastern counties. The mean depth of the snow exceeded a foot on the higher ground over a large area. (*See* Section 7.)



Rainfall, December, 1927.

The pressure map shows the unusual feature of the highest pressure over the Shetlands, where the mean pressure was 15 mb. in excess of the average, and the lowest in the south-west of Ireland. The general trend of the isobars differed therefore considerably from the normal. There was an almost complete absence of westerly winds, and of depressions or secondaries passing across the northern half of the British Isles.

The percentage map of rainfall for the month shows that there was a marked dissimilarity between the state of affairs in the south-east and that in the north-west of England and Wales, of Scotland and of Ireland. There was more than 125 per cent. of the average in the south-east and extreme north-east of England, and around the Firth of Forth and in Co. Cork. On the other hand, the English Lake District, part of Co. Donegal and the greater part of the western half of Scotland

Rainfall, December, 1927, as per cent. of average.

received less than the average. Much of the Western Highlands received less than 10 per cent. of the average there.

A remarkable feature of the map of precipitation for the month is that the English Lake District was drier than the south-east of England. The north-west of Scotland with less than 1 inch and in places as little as :3 inch was even more noteworthy.

Table XX.—*Monthly Rainfall at* 400 *Stations in the British Isles during* 1927.

ENGLAND

County and River Division.		Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
London	2	St. Pancras (Camden Square) ...	1·78	3·34	2·57	2·02	1·29	2·80	3·24	3·97	4·77	1·29	2·60	4·17	33·84
Surrey	6	Haslemere (Hazelhurst)	3·07	5·82	5·10	2·29	1·06	3·88	5·32	5·12	7·64	3·41	5·17	6·34	54·22
,,	6	Woking (The Green).....	1·83	4·29	2·69	1·70	1·13	3·18	2·21	3·27	4·54	1·35	3·28	4·28	33·75
Kent	1	Tenterden (Ashenden).....	2·19	3·83	3·80	1·64	·60	4·25	4·66	3·91	3·37	1·84	3·02	4·69	37·80
,,	1	Folkestone (Cheriton Road)	2·44	4·19	3·06	1·57	·66	5·08	4·49	4·54	3·39	1·36	4·03	5·20	40·01
,,	2	St. Peters (Hildersham House) ..	1·26	2·65	1·70	1·57	·55	3·39	5·91	3·70	2·83	1·33	2·98	3·87	31·74
,,	3	Teynham (New Gardens).....	1·35	3·78	2·51	1·42	·77	3·37	3·29	3·06	4·22	1·06	2·43	4·11	31·37
,,	4	Rochester (Knight's Place)	2·13	3·85	3·04	1·61	1·15	2·70	3·32	4·60	4·82	1·14	2·34	3·31	34·01
,,	5	Westerham (Town)	2·83	5·33	4·17	2·20	1·32	4·06	2·66	5·27	5·69	2·29	3·47	5·51	44·80
Sussex	1	Selsey (Large Acres)	2·52	3·95	2·93	1·89	·61	3·74	2·96	2·54	5·72	1·65	3·05	3·81	35·37
,,	3	Worthing (Victoria Park)	2·43	3·39	2·88	1·72	·69	3·88	2·01	4·28	5·31	1·44	2·75	4·02	34·80
,,	4	Balcombe (The Gables)	3·25	5·61	4·29	2·20	1·16	5·18	3·60	5·88	6·14	2·89	4·27	5·51	49·98
,,	5	Eastbourne (Wilmington Sq.) ...	3·10	3·08	3·76	2·06	1·01	3·43	2·54	4·11	5·61	1·50	3·40	4·63	38·23
,,	5	St. Leonards (Gensing Gdns.)....	3·10	3·63	3·78	1·89	·73	3·93	4·30	4·60	4·94	1·67	3·74	4·92	41·23
,,	7	Crowborough (Uckfield Lodge) ..	3·37	5·52	5·17	2·23	1·16	5·72	3·56	5·60	5·77	3·29	3·85	5·12	50·36
Hampshire	1	Totland Bay (Aston House)	2·19	3·46	2·51	1·67	·87	2·15	2·89	3·19	5·93	1·67	3·74	4·26	34·53
,,	4	Upper Somborne (Clock Ho.)	2·22	3·92	3·45	1·75	·71	2·27	3·26	3·43	6·09	2·32	3·90	4·05	37·37
,,	5	Bishops Waltham (Park Ho.)....	2·47	4·52	3·59	1·99	·75	2·36	2·84	4·04	5·95	2·24	3·47	3·59	37·81
,,	8	Sherborne St. John	2·56	4·44	3·43	1·93	1·71	3·26	5·01	2·63	6·50	1·87	3·84	3·59	40·77
Berkshire	4	Bucklebury Place	2·27	3·72	2·63	1·89	1·10	2·74	4·56	3·27	5·60	2·13	3·15	3·23	36·29
,,	5	Upton (Manor House)	2·98	3·99	2·79	2·07	1·02	2·57	2·22	3·42	5·54	1·84	2·81	3·41	34·66
Hertfordshire ..	2	St. Albans (County Museum)	1·85	3·52	2·51	2·03	1·37	3·72	2·58	4·36	5·34	2·46	2·92	3·34	36·00
,, ..	3	Royston (Therfield Rectory)	2·39	3·44	2·00	1·79	·90	2·98	2·71	3·19	5·20	1·74	2·73	2·69	31·76
Buckinghamshire	3	Slough (Upton)	2·13	3·66	2·55	1·39	·93	3·23	1·97	3·31	4·82	1·51	3·01	2·93	31·44
,,	3	Hampden House	2·86	4·50	2·87	1·71	1·47	3·63	3·18	4·51	5·50	1·82	3·51	3·03	38·59
,,	5	Wolverton (St. George's Vic.) ...	2·06	3·14	2·44	1·53	1·20	4·17	1·92	2·75	5·04	1·55	2·49	2·41	30·70
Oxfordshire	2	Wootton Rectory	2·51	3·34	2·71	1·54	1·37	3·62	3·52	3·94	6·23	1·98	2·86	3·72	37·34
Northamptonshire	1	Naseby Reservoir	2·57	2·91	1·93	1·39	·94	4·18	2·40	3·39	4·88	1·88	3·61	2·06	32·14
,,	4	Wellingborough (Swanspool)	2·17	2·67	2·12	1·31	·80	3·18	2·37	4·69	4·28	1·73	2·73	3·97	32·02
Huntingdonshire	1	St. Ives (Slepe House)	1·63	2·35	1·65	1·74	·53	2·80	2·18	2·26	3·62	1·63	2·20	2·77	25·36
Bedfordshire ...	3	Shefford Council School	1·96	2·62	1·88	1·55	·81	2·60	2·10	2·64	3·95	1·21	2·33	2·76	26·41
Cambridgeshire	2	Littleport (Highfield House)	1·47	2·30	1·53	1·73	·47	2·92	3·90	1·98	3·15	1·76	2·40	1·37	24·98

Table XX.—(*con.*) *Monthly Rainfall*—**ENGLAND**—(*con.*)

County and River Division.		Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Cambridgeshire	3	Wisbech (Bank House)	1·86	2·36	1·78	2·12	·67	3·50	2·52	2·89	3·20	2·33	2·44	2·06	27·73
Essex	2	Leigh (Brick House)	1·31	3·23	2·09	1·74	·93	2·00	2·48	3·04	3·31	1·20	2·39	2·04	25·76
,,	2	Ongar (Marden Ash)	1·33	3·13	2·04	1·54	1·05	2·85	3·37	3·21	4·17	1·96	2·82	2·10	29·57
,,	3	Bradwell-on-Sea (Bradwell Hall)	1·25	3·43	1·84	1·84	·72	2·88	3·85	2·32	3·14	1·66	1·96	2·23	27·12
,,	4	Gt. Bardfield (South Lodge)	1·30	3·52	2·14	1·98	1·01	2·88	2·61	2·98	4·66	1·94	2·38	2·35	29·75
Suffolk	1	Hawkedon Rectory	1·52	3·05	2·02	2·49	·49	3·42	3·90	2·69	5·00	2·10	2·87	2·40	31·95
,,	2	Ipswich (Copdock)	1·31	2·56	2·35	2·00	·68	4·54	3·26	3·90	3·73	1·85	2·57	2·24	30·99
,,	3	Orford (The Gables)	1·47	2·69	2·56	2·30	·80	3·76	2·91	4·04	3·24	2·01	2·88	3·08	31·74
,,	3	Halesworth Rectory	1·26	2·16	2·46	2·12	1·08	4·26	2·71	3·66	3·53	1·81	3·79	3·05	31·89
,,	4	Yarmouth (Burgh Hall)	1·61	2·01	2·12	1·68	·65	5·20	2·11	2·87	5·05	2·01	4·41	2·00	31·72
,,	5	Bury St. Edmunds (Westley Ho.)	1·82	2·67	1·83	2·50	·51	3·97	4·43	2·75	3·56	2·15	2·68	2·52	31·39
Norfolk	1	Diss (The Cedars)	1·12	2·07	1·69	1·95	·43	4·43	2·44	2·40	2·65	2·15	2·71	1·94	25·98
,,	1	Wymondham	2·29	2·20	2·16	1·44	·42	4·91	2·35	3·05	3·47	2·54	3·85	2·62	31·30
,,	2	Aylsham (Rippon Hall)	2·50	2·22	2·32	1·56	·95	5·07	2·31	3·04	5·77	2·54	5·04	2·44	35·76
,,	3	Sandringham House Gardens	1·92	2·30	2·32	2·53	1·11	4·42	2·64	4·05	3·13	2·39	3·26	2·10	32·17
,,	3	Walsingham	2·35	2·22	1·72	2·33	1·27	4·22	2·79	3·27	3·73	2·53	3·75	1·87	32·05
,,	4	Thetford (Waterworks)	1·95	2·06	1·80	2·34	·74	4·37	3·03	2·58	2·84	2·17	3·42	1·79	29·09
,,	4	Little Dunham (Dunham Cot.)	2·49	2·23	2·06	2·02	·76	5·37	3·68	3·31	3·71	2·84	3·44	2·22	34·13
Wiltshire	1	Bradford (Manvers House)	3·90	4·32	2·81	1·74	·87	3·71	4·09	4·48	5·52	2·12	2·75	3·00	39·31
,,	2	Mere (Charnage)	3·71	4·31	3·85	1·65	1·48	2·91	3·04	3·60	5·97	3·11	3·94	3·40	40·97
,,	3	Larkhill (School of Artillery)	2·62	4·20	3·55	1·97	·82	2·29	3·00	3·58	4·42	2·02	2·71	3·11	34·29
,,	5	Marlborough College	3·90	4·64	3·83	1·97	·86	3·96	4·59	4·06	7·16	2·53	3·45	3·39	44·34
Dorsetshire	3	Weymouth (Springfield)	2·25	2·65	3·05	2·10	1·30	1·84	2·10	3·39	6·87	2·18	2·96	4·43	35·12
,,	3	Beaminster (Hamilton Lodge)	3·53	4·32	4·81	1·90	·92	3·09	3·72	3·35	5·87	3·56	3·84	4·48	43·39
,,	4	Winterbourne (Whitchurch Vic.)	2·63	3·99	3·63	2·53	1·59	3·10	2·85	3·61	5·57	3·05	3·69	5·59	41·83
,,	4	Wimborne (Codford House)	2·46	3·44	3·85	2·10	·91	2·70	3·15	3·72	5·88	2·58	3·14	4·48	38·41
South Devonshire	3	South Brent (Great Aish)	8·07	5·00	7·48	4·15	·84	4·75	7·46	6·77	9·46	6·20	6·71	6·81	73·70
,, ,,	5	Teignmouth (Den Gardens)	4·16	3·11	3·31	1·87	·48	1·98	2·79	2·62	4·23	2·43	2·70	4·41	34·09
,, ,,	6	Crediton (Okefield)	5·63	3·61	3·30	1·83	·49	2·44	4·13	3·08	5·26	1·45	3·23	3·16	37·61
,, ,,	7	Ottery St. Mary (West Hill)	4·46	3·94	4·48	2·07	·59	2·27	5·55	3·65	4·88	1·99	3·72	3·77	41·37
North Devonshire	1	Woolacombe (Hotel Grounds)	4·37	2·43	2·80	1·74	·58	2·00	1·93	4·10	6·51	1·69	3·24	3·11	34·50
,, ,,	3	Okehampton (Uplands)	9·48	5·31	7·02	3·01	1·13	3·65	7·52	4·15	8·41	3·08	4·84	4·78	62·38

Table XX.—(*con.*) *Monthly Rainfall*—**ENGLAND**—(*con.*)

County and River Division.		Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
North Devonshire	3	Dolton (Hilliers)	7·48	3·07	4·36	2·01	·89	2·89	5·80	3·63	7·44	2·73	4·16	2·84	47·30
Cornwall	1	Redruth (Trewirgie)	7·81	3·45	4·37	2·49	1·02	3·56	4·31	3·52	6·96	2·95	5·00	4·66	50·10
,,	1	Newquay (Mount Wise)	5·78	2·19	2·96	1·92	·85	2·96	1·93	2·43	6·14	1·94	3·49	2·52	35·11
,,	1	Morwenstow (Tonacombe Manor)	5·28	2·81	3·41	2·51	·95	3·16	3·44	4·40	8·28	2·44	4·38	3·20	44·26
,,	2	Penzance (Morrab Gardens)	6·76	2·91	3·97	3·09	·99	3·26	2·40	3·76	5·80	2·66	4·02	4·51	44·13
,,	2	St. Austell (Trevarna)	8·16	3·73	4·66	3·32	·76	3·43	3·57	4·56	7·07	2·40	4·60	5·00	51·26
,,	2	Liskeard (Penmilder)	6·85	3·44	5·69	2·83	·74	3·58	4·57	4·67	8·59	3·34	4·11	6·04	54·45
,,	2	Bolventor Vicarage	10·54	6·19	7·47	4·23	1·44	5·10	6·25	6·74	12·41	4·85	8·21	6·32	79·75
,,	3	Devonport (Cremyll)	4·13	3·02	4·07	2·09	·42	3·45	3·76	3·17	5·82	2·95	3·83	3·92	40·63
,,	4	Tresco Abbey	5·07	1·94	2·53	2·70	1·14	2·58	2·06	2·45	5·53	2·09	1·95	3·71	33·75
Somersetshire	2	Street (Hind Hayes)	3·16	3·29	3·55	1·50	1·68	2·83	4·23	3·34	6·63	2·40	2·95	2·74	38·30
,,	2	Burnham (Chalbury)	3·47	2·39	3·09	1·58	1·52	2·27	4·12	4·66	6·73	2·35	3·54	2·70	38·42
,,	3	Taunton (The Park)	3·93	3·63	3·61	1·53	1·07	1·93	2·63	2·82	5·30	1·93	2·89	3·05	34·32
,,	5	Brushford Rectory	6·64	4·63	5·59	2·56	1·13	3·55	4·26	4·32	8·02	3·34	4·54	3·61	52·19
Gloucestershire	3	Avening House	3·44	3·26	3·64	1·38	1·08	3·50	3·01	5·06	5·45	2·44	2·63	3·26	38·15
,,	3	Cheltenham (Montpellier Gdns.)	2·75	2·76	2·80	1·63	1·33	2·83	2·79	4·17	4·35	1·28	2·04	2·91	31·64
,,	4	Mickleton (Bank House)	2·47	2·89	2·29	1·58	1·11	2·50	2·70	3·47	5·28	1·07	2·24	2·95	30·55
,,	5	Clifton College	3·31	3·40	2·83	1·28	1·27	3·38	5·13	4·15	6·28	2·57	3·21	3·42	40·23
,,	7	Lechlade (Claydon House)	2·99	3·73	2·56	1·66	1·24	3·29	3·80	3·45	5·75	1·35	2·34	2·83	34·99
Herefordshire	1	Ross (Birchlea)	3·38	3·17	2·82	1·17	1·04	2·87	3·37	4·89	4·95	2·65	3·01	2·90	36·22
,,	1	Weobley School	3·88	2·62	2·68	1·30	1·36	2·99	2·67	5·62	3·42	2·21	3·39	2·84	34·98
Shropshire	3	Ashford House	3·33	2·83	3·33	1·62	1·56	4·26	2·04	5·34	4·10	2·10	4·05	3·09	37·65
,,	3	Lydbury North (Totterton)	2·98	2·39	2·42	1·71	1·18	4·34	3·17	5·69	3·37	2·54	3·97	2·11	35·87
,,	3	Much Wenlock (Willey Park)	2·40	2·33	2·66	1·78	1·31	3·99	1·41	3·85	3·76	2·17	3·98	2·05	31·69
Staffordshire	2	Market Drayton (Old Springs)	2·20	1·43	2·63	1·88	1·44	4·42	2·44	4·53	3·19	2·45	3·26	1·44	31·31
,,	3	Lichfield (St. John Street)	2·76	1·87	1·97	1·70	1·56	4·24	2·81	4·10	3·63	1·45	3·58	2·44	32·11
,,	3	Stafford (Corporation Depot)	2·19	1·53	2·18	2·08	1·61	5·25	2·62	4·75	4·48	2·08	3·43	1·84	34·04
,,	5	Ashbourne (Mayfield House)	2·82	1·92	3·58	2·97	1·52	6·36	2·52	3·99	4·61	2·68	3·87	2·06	38·90
Worcestershire	1	Malvern (Free Library)	3·38	3·09	2·57	1·57	1·37	3·48	3·91	4·33	4·40	2·09	3·84	2·43	36·46
,,	2	Bewdley (C.E. School)	2·73	2·50	2·58	1·28	1·43	3·73	3·41	4·14	4·57	2·08	3·05	1·52	33·02
,,	2	Dudley (Borough Cemetery)	2·16	2·20	2·19	1·91	·83	4·23	4·29	4·01	4·62	1·41	3·66	2·00	33·51
,,	3	Redditch (Hewell Gardens)	3·60	2·84	2·34	1·67	2·13	4·08	6·78	4·24	4·64	1·79	3·66	3·08	40·85

Table XX.—(*con.*) *Monthly Rainfall*—**ENGLAND**—(*con.*)

County and River Division.		Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Warwickshire ..	1	Coventry (Keresley Grange)	2·80	2·65	2·36	1·96	1·31	4·21	2·92	4·11	4·71	1·99	3·60	2·98	35·60
,, ..	3	Farnborough	3·06	3·69	2·93	2·25	1·04	5·08	3·63	3·67	5·83	1·59	3·35	2·52	38·64
Leicestershire ..	4	Loughboro' (Nan Pantan Res.) ..	2·79	2·23	2·37	1·72	1·19	4·03	2·01	2·82	4·78	2·15	2·97	3·00	32·06
,, ..	4	Belvoir Castle Gardens.....	1·72	2·00	2·07	1·94	·79	4·37	2·39	2·09	3·98	2·01	3·12	2·55	29·03
Rutlandshire ..	1	Uppingham (Ridlington)	1·93	2·32	1·92	1·95	·88	4·72	2·36	4·37	4·02	2·03	3·31	2·33	32·14
Lincolnshire ...	2	Market Deeping (Wilsthorpe)	1·18	1·79	1·55	1·52	·69	2·94	1·86	3·64	3·35	1·68	2·09	1·85	24·14
,, ...	3	Boston (Black Sluice, Skirbeck) .	1·84	2·20	1·92	2·37	1·06	3·34	2·02	3·72	3·33	2·24	3·15	2·62	29·81
,, ...	3	Sleaford (Kesteven Mental Hos.)	1·72	1·63	2·04	1·86	·81	2·82	2·11	4·33	3·69	1·96	3·01	3·77	29·75
,, ...	3	Hackthorn Hall.....	1·43	1·58	1·65	1·76	1·06	3·18	2·53	3·00	3·48	1·48	2·40	2·46	26·01
,, ...	4	Skegness (Marine Gardens).....	1·59	1·90	1·56	1·61	·78	3·28	2·29	4·56	3·23	2·09	2·84	2·55	28·28
,, ...	4	Louth (Westgate)	1·50	1·87	1·81	2·01	1·02	3·30	2·16	5·39	3·83	1·81	3·39	2·98	31·07
,, ...	5	Brigg (Bridge Street)	1·77	1·60	1·61	2·25	·93	3·48	2·84	2·82	3·47	1·51	2·14	2·55	26·97
Nottingham ...	2	Newark	1·73	1·38	1·59	2·26	·83	3·04	2·88	3·00	4·88	1·93	2·06	2·60	28·18
,, ...	5	Mansfield (West Bank).....	1·89	1·82	2·93	1·88	1·01	3·95	2·42	4·81	4·32	2·55	2·65	2·94	33·17
Derbyshire	5	Littleover (The Knoll).....	1·77	1·68	2·21	2·23	1·53	4·52	2·29	3·12	4·15	2·03	3·38	2·16	31·07
,, ...	6	Matlock Bath (Lower Tower)....	2·65	2·06	4·26	2·35	1·44	5·13	2·49	5·78	4·30	3·51	3·68	2·69	40·34
,, ...	6	Buxton (Devonshire Hospital) ..	4·48	2·63	5·25	4·16	1·59	7·81	3·54	5·88	6·75	3·91	4·77	1·94	52·71
Cheshire	1	Altrincham (Burlington Cot.) ...	3·45	1·32	2·57	1·95	1·62	4·34	1·60	4·47	6·54	2·41	2·91	1·33	34·51
,, ...	2	Middlewich.....	2·74	1·26	2·80	2·41	1·08	4·96	1·87	2·91	3·98	2·02	2·14	1·08	29·25
,, ...	4	Eccleston	2·34	1·40	2·92	2·10	1·37	4·28	2·04	4·57	3·96	2·59	3·03	1·34	31·94
,, ...	4	Neston (Vine House)	2·04	1·22	2·73	1·67	1·42	4·23	2·32	5·16	5·43	2·47	3·11	1·45	33·25
South Lancashire	3	Bolton (Queen's Park).....	5·43	2·12	6·34	2·86	1·78	5·51	3·69	7·31	7·05	4·29	4·77	1·54	52·69
Central ,,	1	Burnley (Swinden)	4·81	2·58	4·52	3·53	1·57	3·99	4·54	6·83	6·41	5·06	5·14	1·85	50·83
,, ,,	3	Southport (Hesketh Park)	3·75	1·91	3·52	1·07	1·18	3·09	2·88	5·21	5·09	3·05	4·28	1·22	36·25
North ,,	2	Ulverston (Poaka Beck)	5·97	4·67	4·42	2·94	2·49	4·92	4·91	6·94	11·64	5·59	6·16	1·59	62·24
,, ,,	4	Lancaster (Greg Obsy.)	4·45	3·20	3·85	2·13	2·13	3·72	4·26	7·02	7·75	4·23	5·52	1·19	49·45
,, ,,	5	Barton (Newsham House)	4·00	2·27	3·29	1·94	1·31	3·49	3·90	6·06	8·46	4·00	4·10	1·10	43·92
Yorkshire, W.R.	2	Settle (Gas Works)	5·01	2·58	4·16	3·73	1·44	3·53	5·13	7·03	5·70	5·64	4·44	1·33	49·72
,, ,,	7	Sheffield (Weston Park)	1·89	1·50	2·94	2·23	1·33	4·15	2·66	5·02	3·93	2·54	3·31	2·63	34·13
,, ,,	7	Doncaster (Avenue Road)	1·57	1·47	1·68	1·99	1·91	2·42	3·07	6·32	4·55	1·69	2·74	2·67	32·08
,, ,,	8	Meltham (Harewood Lodge)	4·89	1·34	5·69	4·40	1·24	3·81	2·82	5·17	5·80	4·93	5·60	2·18	47·87
,, ,,	9	Leeds (Wortley Reservoir)	1·93	1·07	2·36	2·09	2·03	1·46	4·40	5·45	3·72	2·17	2·99	2·22	31·89
,, ,,	10	Ilkley (Spence's Garden)	3·45	1·52	3·75	3·16	1·42	3·26	3·98	7·54	4·29	3·76	3·52	2·74	42·39

Table XX.—(*con.*) *Monthly Rainfall*—**ENGLAND**—(*con.*)

County and River Division.		Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Yorkshire, W.R.	10	York (Cherry Hill)	1·67	1·37	1·38	1·86	1·26	2·91	3·83	4·17	4·59	1·58	2·38	2·62	29·62
,, ,,	10	Buckden	7·32	3·74	5·31	4·25	2·83	4·50	5·36	9·07	7·25	7·66	6·55	2·51	66·35
,, ,,	11	Knaresborough (The Abbey)	2·18	1·08	1·50	1·64	1·73	2·61	4·12	6·93	3·86	2·64	2·48	2·46	33·23
,, E.R.	2	Birdsall Gardens	2·20	1·64	1·95	2·51	·85	3·16	3·78	6·10	4·52	2·35	4·17	2·89	36·12
,, ,,	3	Patrington (Rose Cottage).....	1·73	1·48	1·41	2·55	1·02	2·67	2·89	5·59	3·29	1·45	2·83	2·78	29·69
,, ,,	3	Holme-on-Spalding Moor	1·63	1·46	1·16	1·99	1·16	2·59	2·95	3·03	4·11	2·03	2·56	2·27	26·94
,, ,,	3	Beverley (E. Riding Mental Hosp.)	1·37	1·20	1·35	2·52	1·24	3·12	2·72	6·56	4·00	2·45	2·73	2·44	31·70
,, ,,	4	Bridlington (Corpn. Nurseries) ..	2·16	1·53	1·49	2·48	·97	3·12	2·88	5·51	3·85	1·53	3·84	2·12	31·48
,, N.R.	1	Masham Moor (Roundhill Res.) ..	4·54	2·48	3·36	3·22	2·32	3·50	7·52	9·67	6·20	5·81	5·14	4·55	58·31
,, ,,	2	Felixkirk (Mount St. John)	2·44	1·38	2·36	1·51	1·75	3·23	4·58	5·81	5·25	2·53	3·25	1·98	36·07
,, ,,	2	Reeth (Arkengarthdale)	4·12	1·60	3·69	3·25	2·43	3·11	5·09	7·32	5·48	5·11	5·24	3·19	49·63
,, ,,	4	Thornton Dale (High Dalby Ho.)	2·15	1·45	1·39	2·31	·80	2·80	2·29	6·33	4·37	2·65	5·07	2·91	34·52
,, ,,	5	Whitby (Mulgrave Castle)	1·57	1·61	1·92	1·69	·99	3·01	2·80	4·95	4·72	2·10	5·15	2·24	32·75
,, ,,	6	Middlesbrough (Albert Park)	1·43	·56	1·83	1·41	1·66	2·31	4·32	4·69	3·37	2·19	3·73	1·77	29·27
Durham	2	Burnhope (Lodgegill Mine).....	6·90	3·05	5·60	5·20	3·00	5·70	5·60	8·95	9·80	7·20	6·80	3·55	71·35
,, ...	2	Durham (Houghall)	1·40	·85	1·90	1·67	1·76	3·42	4·01	7·08	3·62	1·62	2·40	3·44	33·17
,, ...	2	Weardale W.W. (Waskerley)	2·24	1·20	2·59	2·60	1·83	3·59	4·20	7·83	5·60	2·75	3·62	2·75	40·80
,, ...	2	Sunderland (W. Hendon Ho.)....	1·26	·83	1·81	1·48	1·83	4·14	4·25	5·96	3·55	1·86	3·65	3·45	34·07
Northumberland	3	Corbridge (Howden Dene)	1·38	·42	2·32	2·21	1·64	3·32	3·45	6·35	4·61	1·64	2·73	3·37	33·44
,,	4	Bellingham (High Green Manor)..	3·04	1·28	3·00	2·23	2·10	3·38	3·80	7·00	4·63	3·41	3·80	2·99	40·66
,,	5	Morpeth (Cockle Park).....	1·58	·82	2·08	2·15	1·43	4·50	2·65	4·64	3·63	2·22	3·01	3·33	32·04
,,	5	Fontburn Res. (Tynemouth W.W.)	2·78	1·09	3·80	3·06	2·05	4·41	3·58	5·19	4·37	2·59	2·55	3·43	38·90
,,	6	Wooperton.....	2·38	·87	2·95	2·12	2·02	3·42	3·56	4·61	4·94	2·53	3·52	3·54	36·46
,,	6	Ilderton (Lilburn Tower Gdns.) ..	1·80	·86	3·01	1·36	1·89	2·61	3·87	5·19	5·44	2·48	3·45	3·67	35·63
Cumberland ...	1	Penrith (Laurel Bank)	4·38	1·44	3·49	2·15	2·09	2·80	4·74	7·34	7·07	3·93	2·89	1·00	43·32
,, ...	1	Geltsdale.....	3·45	1·29	2·86	2·54	2·66	3·87	4·14	5·86	8·10	2·57	4·98	1·44	43·76
,, ...	1	Carlisle (Scaleby Hall)	3·89	1·74	2·87	(2·00)	1·98	3·61	4·37	5·26	7·10	1·92	4·25	·86	(39·85)
,, ...	2	Keswick (Derwent Island)	6·96	2·54	4·96	4·25	3·37	4·74	8·55	7·08	8·30	7·67	6·20	1·47	66·09
,, ...	3	St. Bees (Bickerley House)	4·64	2·60	4·05	1·79	2·15	3·47	5·02	4·76	7·12	3·54	4·35	1·45	44·94
Westmorland ..	1	Kirkby Stephen (Redman Ho.) ..	4·98	1·81	3·46	2·91	2·68	2·66	5·14	7·50	6·20	5·01	4·76	1·68	48·79
,, ..	1	Appleby (Castle Bank)	5·43	1·70	3·51	2·62	2·69	2·50	4·27	7·75	4·89	4·18	3·06	1·21	43·81
,, ..	2	Mickleden	16·28	10·85	12·02	7·58	6·73	9·65	9·57	11·99	19·28	13·85	15·98	3·39	137·17
,, ..	3	Kendal (Highgate)	6·21	4·19	5·10	2·76	2·52	3·97	5·36	7·39	7·95	5·71	7·53	1·27	59·96

Table XX.—(*con.*) *Monthly Rainfall*—**MONMOUTH AND WALES, AND THE ISLANDS.**

County and River Division.	Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Monmouth 3	Newport W.W. (Nantypridd)	4·67	3·79	3·70	1·49	·84	4·47	7·24	5·90	5·95	5·08	4·42	3·77	51·32
,, ... 3	Abergavenny (The Chain)	4·34	4·95	3·88	1·10	·49	3·19	4·14	4·57	5·02	3·14	4·16	4·40	43·38
Glamorgan 3	Swansea (Victoria Park)	5·64	4·65	4·88	1·94	2·04	4·28	4·32	7·02	7·21	3·02	5·47	3·65	54·12
,, ... 5	Bridgend (Highmead).....	5·14	3·09	3·38	1·98	1·69	3·39	4·69	5·35	6·97	3·10	4·27	3·03	46·08
,, ... 6	Treherbert (Tyn-y-waun).....	10·93	7·40	8·76	3·87	3·83	6·27	9·81	14·14	11·78	10·61	9·69	6·21	103·30
,, ... 7	Cardiff (Roath Park)	4·97	3·84	4·27	1·86	1·48	3·86	4·59	5·64	7·41	3·91	5·52	3·18	50·53
Carmarthen 2	Carmarthen (The Friary)	5·91	3·56	5·03	2·09	2·05	3·79	5·52	7·92	4·92	3·76	5·95	3·97	54·47
,, ... 2	Llanwrda (Dolaucothy).....	8·00	5·25	7·44	3·31	2·16	5·88	7·56	10·11	7·29	6·86	6·13	3·96	73·95
Pembroke 4	Saundersfoot (Hean Castle)	5·32	2·77	3·77	1·59	1·85	3·41	4·12	5·65	4·78	2·23	4·88	3·27	43·64
,, ... 4	Haverfordwest (Grammar School)	4·91	3·76	4·11	1·98	1·44	3·27	3·80	6·92	5·71	3·40	6·83	4·12	50·25
,, ... 4	Fishguard (Langton, Dwrbach) ..	4·87	3·25	3·64	1·97	1·73	2·66	3·62	5·47	4·62	3·15	6·17	2·36	43·51
Cardigan 2	Aberystwyth (Gogerddan)	5·28	3·97	4·94	2·88	2·34	7·04	5·52	7·58	7·03	4·97	3·27	3·09	57·91
,, ... 3	Cardigan (County School)	4·84	3·21	3·50	2·02	2·03	3·01	3·55	5·64	4·73	2·12	4·99	2·49	42·13
,, ... 3	Lampeter (Falcondale).....	5·53	4·40	5·51	2·19	1·28	4·66	6·08	9·29	5·73	4·41	4·66	3·03	56·77
,, ... 5	Plynlimon.....	12·50	7·40	8·70	7·40	2·90	10·70	6·20	14·20	13·40	8·80	11·20	3·00	106·40
Brecon 7	Swansea W.W. (Cray Res.) No. 1	9·24	7·44	8·21	2·83	2·61	6·84	8·58	12·07	9·52	9·31	6·80	5·13	88·58
,, ... 8	Birmingham W.W.(Cors-yr-hwch)	13·30	8·02	10·07	5·50	3·00	10·10	8·15	16·00	11·25	8·50	7·63	4·23	105·75
Radnor 1	Llandrindod Wells (Disserth Rec.)	5·58	3·64	4·29	2·39	2·34	5·75	4·51	6·76	5·55	3·80	3·28	2·60	50·49
Montgomery.... 4	Llandinam (Plas Dinam).....	4·76	3·16	4·21	2·95	1·44	4·85	3·27	6·15	5·61	4·71	4·24	2·22	47·57
,, ... 5	Llandysilio Rectory	3·16	1·72	2·47	2·54	1·37	4·47	2·28	5·99	3·39	2·15	3·83	2·30	35·67
,, ... 5	Lake Vyrnwy.....	7·99	4·08	5·37	3·46	2·32	7·25	4·83	9·01	6·77	8·91	7·76	2·85	70·60
Flint 2	Rhyl Sewage Works	2·20	1·19	2·95	·99	1·56	3·21	1·58	5·50	5·43	2·03	2·76	1·01	30·41
Denbigh 1	Wrexham (Packsaddle Res.)	3·75	2·26	3·28	2·82	1·40	5·67	3·25	4·95	3·52	3·12	4·38	2·25	40·65
,, ... 2	Llangynhafal (Plâs Drâw)	3·01	2·09	3·91	1·83	1·74	4·89	2·25	6·07	6·11	3·14	4·49	1·22	40·75
,, ... 3	Pentre Voelas (Voelas Hall)	6·32	3·91	5·61	2·52	2·53	5·60	2·33	9·39	6·81	7·98	6·80	1·77	61·57
Merioneth 4	Dolgelly (Bryntirion)	7·26	5·25	6·11	4·30	2·69	9·28	6·16	10·53	6·54	5·76	6·80	2·37	73·05
,, ... 4	Trawsfynydd Camp	7·75	5·47	5·43	3·79	3·28	8·23	5·70	14·52	7·41	8·37	8·46	1·97	80·38
Carnarvon 2	Llandudno	2·00	1·50	3·61	1·13	1·26	3·27	1·68	6·83	4·58	2·11	5·11	1·69	34·77
,, ... 3	Bethesda (Penrhyn Quarries)	7·13	5·15	9·91	2·88	2·56	6·28	4·88	10·69	8·76	6·58	9·63	2·98	77·43
,, ... 4	Abersoch.....	5·15	4·55	4·40	1·27	1·86	6·02	2·68	7·13	4·03	3·42	6·35	1·72	48·58
,, ... 5	Snowdon (Cwm Dyli)	14·28	9·17	14·07	6·26	3·95	14·46	7·44	20·80	16·39	16·17	19·96	3·18	146·13

Table XX. (*con.*) *Monthly Rainfall*—**MONMOUTH AND WALES**—(*con.*)

County and River Division.	Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Anglesey	Holyhead (Salt Island)	3·41	2·91	4·17	·81	1·13	3·69	1·64	5·89	3·41	2·96	6·00	2·54	38·56
,,	Llanerchymedd (Llwydiarth Esgb)	3·48	2·98	4·47	1·33	1·10	4·51	2·28	6·56	4·56	3·17	7·09	2·37	43·90
	ISLE OF MAN.													
Isle of Man	Douglas (Borough Cemetery)	3·79	2·71	4·67	1·76	2·33	4·59	2·84	5·56	6·75	4·40	5·62	3·42	48·44
,,	Ramsey (North Promenade)	4·37	3·56	5·46	2·13	2·42	3·29	3·99	4·88	5·84	4·70	3·97	2·86	47·47
	CHANNEL ISLANDS.													
Jersey	St. Aubins (Belle Vue)	4·67	1·71	3·75	1·54	·16	3·26	2·68	3·76	7·26	1·95	4·78	2·61	38·13
Guernsey	St. Martin's (Les Blanches)	4·66	2·22	3·52	2·06	·83	3·15	3·00	2·81	6·89	1·50	4·13	2·64	37·41
Sark	Pointe Robert	4·10	1·92	3·96	2·20	·45	3·07	2·35	3·36	7·63	1·99	2·82	2·25	36·10
Alderney	St. Anne (Grosnez House)	3·40	2·26	3·45	2·46	·83	3·31	2·96	4·05	6·30	1·84	4·26	3·14	38·26
	SCOTLAND.													
Wigtownshire .. 3	Stoneykirk (Ardwell House)	4·31	2·13	4·33	1·98	1·55	3·26	3·46	4·17	5·97	5·08	4·71	1·79	42·74
,, .. 4	Whithorn (Glasserton)	4·09	2·57	4·03	1·96	2·52	3·36	2·71	4·89	5·89	4·45	4·77	2·12	43·36
,, .. 4	Kirkcowan (Craighlaw)	5·99	3·47	5·57	2·60	3·08	4·48	4·17	5·62	6·53	6·14	6·16	2·01	55·82
Kirkcudbrightsh'e 3	Dalry (Glendarroch)	6·15	3·83	5·33	2·69	3·19	5·47	6·81	6·85	6·24	6·04	6·04	2·35	60·99
,, 4	Dalbeattie (Kirkennan)	4·98	3·83	4·82	2·52	2·61	4·88	4·24	7·68	8·62	5·34	6·38	2·03	57·93
Dumfriesshire .. 3	Moniaive (Maxwelton House)	4·98	3·34	4·38	2·64	2·84	3·99	5·72	6·90	6·16	5·31	5·60	2·53	54·39
,, .. 4	Dalton (Kirkwood)	4·65	3·04	3·88	2·42	3·22	5·48	5·63	7·63	6·85	4·89	4·16	1·92	53·77
,, .. 5	Langholm (Ewes, Sandyhaugh)	6·24	3·60	4·82	4·17	2·66	4·86	3·30	6·82	6·50	7·07	5·75	2·00	57·79
,, .. 5	Eskdalemuir Observatory	8·16	3·45	4·32	4·23	4·06	6·07	5·30	7·63	9·13	7·81	6·88	1·76	68·80
Roxburghshire.. 3	Jedburgh (Jedneuk)	2·09	·74	2·06	1·70	1·85	3·03	2·24	5·90	5·09	2·25	2·32	1·49	30·76
Selkirkshire 2	Ettrick Manse	8·17	2·52	4·58	3·24	3·73	4·76	4·52	7·22	9·22	8·83	5·68	2·67	65·14
,, ... 4	Caddonfoot (Fairnilee)	3·89	1·40	2·81	2·20	1·79	2·93	2·44	6·86	9·35	4·00	2·71	2·32	42·70
Peeblesshire 2	Stobo Castle	5·60	1·45	3·28	3·41	2·27	3·69	2·68	4·43	8·32	4·57	3·22	1·64	44·56
Berwickshire ... 2	Earnscleugh Burn (Blythe Rig)	3·52	1·21	3·18	1·82	3·15	3·98	6·39	8·59	7·98	3·96	4·58	2·23	50·59
,, ... 4	Marchmont House	2·40	1·03	2·67	1·82	2·78	3·74	3·40	7·94	6·04	2·71	3·31	2·72	40·56
Haddingtonshire 5	North Berwick Reservoir	1·33	·98	1·74	·70	1·57	2·23	2·34	6·10	5·51	3·01	1·89	2·77	30·17
Midlothianshire 5	Pentland Hills (Harperrig)	3·76	1·82	3·66	2·33	1·82	3·66	3·54	6·64	9·87	5·70	3·74	3·18	49·72

Table XX.—(*con.*) *Monthly Rainfall*—**SCOTLAND** – (*con.*)

County and River Division.	Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midlothianshire 5	Edinburgh (Royal Observatory)..	2·23	1·05	1·59	1·60	2·10	2·98	2·22	6·79	7·91	3·13	1·40	1·44	34·44
Lanarkshire 4	Caldercruix (Hillend Reservoir) ..	5·25	2·39	3·04	2·48	1·81	3·71	3·49	7·45	7·76	4·66	3·83	·91	46·78
,, ... 5	Douglas (Kilncroft)	6·61	2·13	3·05	3·18	1·67	3·90	4·99	5·83	6·52	4·65	5·68	1·32	49·53
,, ... 5	Strathaven (East Overton Ho.) ..	6·47	2·25	3·06	3·18	2·30	4·89	4·24	5·65	8·16	6·01	5·91	·94	53·06
Ayrshire 3	Dalry (Munnock Reservoir).....	6·70	3·52	4·63	3·25	3·03	5·91	4·70	5·45	6·37	6·71	5·05	1·35	56·67
,, ... 6	Maybole (Culzean Castle Gardens)	5·73	1·65	3·43	3·14	2·32	4·34	2·31	4·13	5·85	5·08	5·26	·90	44·14
,, ... 8	Colmonell (Knockdolian)	6·32	2·53	5·51	2·90	2·59	3·90	2·49	4·04	6·08	4·44	5·66	1·54	48·00
,, ...13	Glen Afton (Ayr Sanatorium) ...	8·31	2·52	4·65	3·81	2·90	4·51	5·88	4·36	6·49	6·93	6·22	2·36	58·94
Renfrewshire .. 2	Houston Manse	6·99	3·37	4·25	2·84	2·96	4·68	6·08	6·66	6·86	6·47	5·61	1·65	58·42
Dumbartonshire 2	Cardross (Kilmahew)	6·00	2·94	3·59	3·64	3·08	3·93	3·71	6·01	7·25	6·12	4·73	1·66	52·66
Stirlingshire 1	Falkirk (Westbank Garden).....	4·29	2·21	2·64	1·75	2·05	3·74	3·98	7·00	7·04	4·43	3·02	1·29	43·44
Buteshire 1	Rothesay (Ardencraig)	7·98	3·20	5·05	4·76	4·20	4·85	4·43	4·53	7·65	6·16	5·44	1·63	59·88
,, ... 3	Arran (Dougarie Lodge).....	6·53	2·59	4·28	2·91	3·31	4·91	3·92	2·74	5·12	4·22	6·96	2·28	49·77
Argyllshire 2	Acharacle (Shielbridge)	12·13	4·42	4·50	6·31	3·96	4·61	2·95	5·89	6·04	7·02	8·05	·38	66·26
,, ... 3	Morvern (Kingairloch)	15·36	7·75	8·82	7·76	4·35	9·99	4·53	7·37	8·74	10·66	11·37	·86	97·56
,, ... 5	Glen Etive	19·60	6·97	6·05	13·20	5·81	6·68	2·80	7·92	7·63	12·59	12·77	1·13	103·15
,, ... 6	Loch Awe (Ford)	11·43	6·30	5·60	7·06	6·80	3·92	4·42	5·14	7·10	9·47	6·78	·90	74·92
,, ... 6	Dalmally (Manse of Glenorchy) ..	13·71	4·51	5·44	9·02	4·62	6·65	4·61	8·12	8·64	9·24	8·90	·96	84·42
,, ... 7	Oban	8·91	3·62	3·86	4·95	2·74	4·73	3·83	5·29	5·46	7·26	5·42	·26	56·33
,, ... 9	Muasdale (Grianan)	5·52	2·77	3·11	3·45	3·23	4·27	3·31	1·93	4·76	4·43	6·42	1·70	44·90
,, ...10	Skipness Castle	8·08	2·61	4·23	3·89	3·19	4·09	3·50	4·41	6·83	5·26	5·95	1·07	53·11
,, ...11	Ardrishaig (Canal Office)	11·30	4·20	6·25	7·26	3·63	6·54	3·27	6·07	7·66	6·67	6·09	·79	69·73
,, ...11	Ardkinglas	12·33	6·20	6·96	6·22	4·10	5·69	4·52	6·07	7·99	9·27	9·05	1·57	79·97
,, ...12	Loch Eck (Benmore)	15·46	6·15	9·81	8·22	4·73	7·19	5·33	6·27	10·63	9·35	10·88	1·22	95·24
,, ...14	Islay (Eallabus)	7·28	3·51	3·64	4·14	3·19	4·65	4·35	3·26	6·43	5·64	5·73	1·61	53·43
,, ...14	Jura (Ardfin)	9·14	3·63	4·34	4·88	3·08	4·96	4·61	4·46	7·63	6·61	6·42	1·39	61·15
,, ...14	Mull (Iona Manse).....	7·16	4·06	3·00	4·81	2·80	3·24	2·79	3·36	3·77	5·95	3·62	·42	44·98
,, ...14	Mull (Benmore).....	(20 0)	(9·40)	9·00	15·00	7·90	9·20	8·80	9·20	12·00	17·60	9·80	(2·00)	129·90
,, ...14	Mull (Glencannel)	18·91	7·73	9·56	10·26	6·08	6·89	4·16	10·43	7·76	10·89	11·43	1·44	105·54
,, ...14	Tiree (Cornaigmore Sch.)	6·70	3·22	3·49	3·35	2·11	3·33	3·28	2·35	3·96	6·28	4·25	1·38	43·70
Fifeshire 2	Kirkcaldy (Munro Street)	2·02	1·64	2·04	1·35	2·93	3·59	2·72	6·03	6·36	4·09	1·59	1·71	36·07
,, ... 3	Cupar (Fife & Kinross Asylum) ..	2·42	1·07	2·29	1·20	2·45	2·16	2·99	4·09	5·85	4·46	2·10	2·40	33·48

Table XX.—(*con.*) *Monthly Rainfall*—**SCOTLAND**—(*con.*)

County and River Division.	Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Perthshire..... 2	Aberfoyle (The Inn)	7·50	4·55	5·10	3·25	2·75	5·75	4·10	6·25	8·20	8·50	6·90	2·25	65·10
,, ... 3	Glengyle	14·60	5·60	7·30	7·00	4·30	7·25	5·80	8·40	7·60	11·70	10·15	2·25	91·95
,, ... 4	Glendevon (Tormaukin).....	8·71	3·33	4·45	2·39	2·90	5·72	4·60	6·92	7·74	7·46	6·03	1·84	62·09
,, ... 7	Lochearnhead (Edenchip)	10·13	3·66	5·47	4·41	2·80	4·71	4·42	7·54	6·43	8·18	8·18	2·37	68·30
,, ... 7	Crieff (Strathearn Hydro)	5·01	2·15	3·99	1·42	2·03	4·80	4·65	6·68	3·91	6·12	3·35	1·76	45·87
,, ...11	Aberfeldy (Dall Avon)	6·80	1·23	3·22	2·28	2·39	2·82	4·48	4·79	4·32	5·08	3·16	2·15	42·72
,, ...14	Loch Rannoch (Dall)	8·31	1·51	3·13	3·39	1·82	3·11	4·14	5·86	4·60	5·71	3·92	1·59	47·09
,, ...14	Glen Bruar (Bruar Lodge)	7·27	2·08	4·28	3·19	3·82	4·79	6·79	4·46	7·23	5·37	4·37	1·03	54·68
,, ...15	Kirkmichael (Ballintuim Ho.)....	5·19	2·02	3·62	1·85	3·42	3·00	4·86	7·81	3·66	6·39	4·07	2·45	48·34
Forfarshire 1	Kettins School	3·25	1·44	2·65	1·41	2·51	2·54	2·76	4·50	3·43	4·57	3·04	2·40	34·50
,, ... 3	Arbroath (W. Cemetery)	1·40	1·18	2·23	·81	2·28	2·47	1·67	3·82	6·75	4·66	1·46	2·18	30·91
,, ... 3	Glen Prosen (Pearsie House)	2·17	1·85	3·85	1·24	2·37	4·13	2·40	5·02	3·89	6·07	3·33	2·44	38·76
Kincardineshire 1	Marykirk (Balmakewan)	1·90	1·89	2·25	1·56	2·65	3·47	1·82	3·56	5·30	5·13	3·05	3·77	36·35
,, 3	Strachan (Bridge of Dye)	4·01	1·94	3·75	2·89	3·00	3·09	2·82	3·74	6·35	6·31	5·60	5·15	48·65
Aberdeenshire .. 1	Braemar (Derry Lodge)	3·78	·99	2·66	2·83	2·99	3·50	3·50	3·08	3·79	3·91	3·66	1·51	36·20
,, .. 1	Ballater (Irrigation Farm)	2·43	·85	2·30	2·38	1·87	3·39	2·25	3·50	4·82	4·89	3·64	3·52	35·84
,, .. 2	Aberdeen (King's College)	1·87	1·76	2·11	2·35	2·58	2·53	1·88	2·25	6·38	3·34	4·00	2·46	33·51
,, .. 2	Strathdon (Estate Office).....	2·72	·69	2·34	3·23	2·33	4·26	2·57	5·28	4·65	4·32	4·07	3·01	39·47
,, .. 2	Craibstone (Woodlands Field)....	1·83	1·87	2·76	2·60	2·60	3·13	2·06	2·54	6·60	4·43	4·03	3·07	37·52
,, .. 3	Haddo House.....	2·04	1·67	2·25	4·00	2·77	3·18	1·88	3·34	7·02	4·04	4·90	2·70	39·79
,, .. 4	Peterhead (Forehill Works).....	1·89	1·79	2·19	3·13	3·30	2·73	2·28	1·28	6·81	4·27	3·96	2·02	35·65
,, .. 5	Huntly (Cruchie)	1·94	1·58	2·44	2·62	3·38	4·22	1·71	2·55	7·48	4·13	4·66	2·36	39·07
Banffshire 2	Turriff (Forglen Gardens)	2·02	1·62	2·19	3·83	3·14	4·63	·87	2·21	7·89	4·18	4·88	2·25	39·71
Morayshire 2	Gordon Castle	2·15	1·20	2·13	2·80	2·44	4·16	1·16	2·06	6·98	4·32	2·83	2·24	34·47
,, ... 3	Grantown-on-Spey	3·42	·76	1·87	3·83	4·11	4·09	3·17	3·65	6·03	4·25	3·93	1·34	40·45
,, ... 3	Aberlour (Wester Elchies)	2·35	1·10	1·99	3·49	4·21	4·38	1·39	3·02	8·55	4·90	4·41	2·30	42·09
Nairnshire..... 2	Nairn (Achareidh)	2·48	1·00	1·60	2·19	2·41	3·10	1·61	2·77	4·98	3·72	2·47	1·31	29·64
Inverness-shire.. 3	Cluny Castle	7·06	1·95	2·29	4·32	2·52	3·63	3·29	3·97	4·72	5·60	4·31	·44	44·10
,, .. 3	Alvie Manse	(4·00)	(1·04)	1·93	3·24	3·31	4·25	2·38	3·45	5·73	4·23	4·09	·69	38·34
,, .. 6	Loch Ness (Foyers)	7·11	1·72	1·54	3·09	1·69	3·09	3·45	3·38	5·01	4·65	4·10	·66	39·49
,, .. 7	Invergarry Gardens	22·30	6·00	10·00	17·40	5·00	9·75	5·00	7·40	12·00	14·10	13·30	·50	122·75
,, .. 7	Loch Quoich (Loan)	9·51	2·29	3·22	4·24	2·07	3·98	2·98	5·40	4·80	5·95	4·90	·08	49·42

Table XX.—(*con.*) *Monthly Rainfall*—**SCOTLAND**—(*con.*)

County and River Division.		Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Inverness-shire	12	Loch Nevis (Inverie Gdns.)	13·75	4·75	7·42	11·96	3·77	5·56	4·44	7·68	9·11	9·67	9·77	·37	88·25
,,	13	Arisaig House	10·75	3·64	4·88	7·22	3·34	4·08	3·23	4·22	6·23	7·36	6·03	·35	61·33
,,	17	Glenleven (Corrour Station)	12·66	3·99	3·71	6·76	2·66	6·68	4·34	4·31	7·37	7·22	9·52	·82	70·04
,,	17	Fort William	13·84	4·14	4·86	9·43	3·11	5·71	4·07	7·05	7·51	7·53	8·31	·48	76·04
,,	18	Hyskier	7·53	3·26	3·41	4·05	1·94	3·29	3·01	3·40	3·67	7·87	4·44	·82	46·69
,,	18	Skye (Kyleakin, Dunringell)	11·60	3·80	6·52	7·59	3·34	4·87	3·10	5·71	5·44	7·41	6·87	·21	66·46
,,	18	Skye (Portree)	12·23	3·22	5·28	8·70	3·74	5·12	4·03	4·97	6·10	9·43	9·01	·77	72·60
,,	18	Skye (Dunvegan)	9·63	4·52	4·82	6·11	2·97	3·76	4·77	4·01	5·25	7·54	7·36	1·12	61·86
,,	19	Barra (Eoligary)	7·74	2·56	2·82	4·27	2·19	2·52	3·36	2·51	4·46	6·69	4·92	1·38	45·42
Ross & Cromarty	4	Achnasheen (Ledgowan)	11·30	2·80	4·51	11·47	3·08	6·81	3·68	5·67	6·85	9·13	6·17	·90	72·37
,,	4	Strathpeffer	5·31	1·16	1·98	3·39	1·29	3·00	3·62	2·80	3·86	5·15	2·60	·78	34·94
,,	4	Cromarty House	2·72	·90	1·51	1·64	1·66	2·44	2·11	1·86	5·02	4·40	2·28	1·35	27·89
,,	4	Alness (Ardross Castle)	5·47	1·15	1·88	3·27	2·37	3·44	3·56	3·76	6·43	6·70	3·25	1·71	42·99
,,	7	Braemore (Loch a' Bhraoin)	11·26	1·03	4·62	11·80	2·72	6·97	2·25	4·34	7·86	7·41	7·50	·78	68·54
,,	7	Ullapool	7·92	1·53	3·65	8·02	2·00	4·40	2·82	2·65	7·18	6·75	5·07	·07	52·06
,,	8	Loch Torridon (Bendamph)	14·09	3·53	6·76	11·43	4·64	6·32	4·23	5·19	8·36	9·03	9·55	·50	83·63
,,	10	Stornoway (Leurbost School)	6·69	2·22	2·84	6·14	1·45	3·72	3·82	2·80	5·49	7·25	5·79	·86	49·07
,,	10	Stornoway	7·27	2·13	2·82	6·47	1·81	3·76	3·92	2·72	6·12	7·37	5·47	1·17	51·03
Sutherlandshire	1	Lairg	5·93	1·90	2·30	5·23	1·91	3·24	3·42	1·90	4·83	4·73	4·07	1·11	40·57
,,	2	Golspie (Technical School)	2·58	1·40	1·44	3·56	1·96	3·42	1·45	2·35	3·97	4·08	2·92	·95	30·08
,,	4	Tongue	4·51	1·25	2·15	4·97	2·10	4·49	1·77	2·88	5·71	6·22	4·83	·90	41·78
,,	4	Melvich (The Cottage)	2·97	1·74	1·91	3·61	2·62	3·35	1·70	1·58	4·76	5·62	5·11	·94	35·91
,,	5	Loch More (Achfary)	12·14	2·66	5·36	15·37	5·42	7·30	2·25	5·65	10·37	10·53	8·34	1·33	86·72
Caithness-shire	2	Wick	2·46	1·98	1·61	4·21	2·07	2·89	1·28	2·00	3·28	4·00	3·63	·88	30·29
,,	3	Altnabreac	2·49	1·44	1·90	3·77	2·32	3·59	·90	3·06	5·72	5·42	4·52	1·60	36·73
,,	3	Thurso (Buckies)	3·15	2·27	2·57	4·55	2·04	5·11	·86	2·08	3·81	5·49	3·86	1·05	36·84
Orkney		Pomona (Deerness)	3·98	2·19	2·24	6·10	1·83	3·10	1·72	1·23	3·34	6·15	4·50	1·34	37·72
Shetland		Lerwick Observatory	5·60	2·76	4·11	5·87	1·77	3·13	2·03	1·18	3·94	3·99	5·60	1·27	41·25

Table XX.—(*con.*) *Monthly Rainfall*—**IRELAND.**

County and River Division.		Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Co. Cork	4	Garinish Island	7·63	4·38	10·16	2·54	2·83	3·91	3·85	6·27	5·89	7·62	8·43	6·39	69·90
,,	6	Castletownshend (Seafield)	5·39	2·48	5·03	1·55	2·37	2·90	3·28	5·33	3·88	4·91	3·97	5·90	46·99
,,	6	Dunmanway (The Rectory)	6·90	3·31	6·76	1·60	3·01	3·22	4·84	5·23	4·51	6·06	6·21	8·87	60·52
,,	7	Cork (University College)	4·75	2·66	4·79	1·21	2·38	2·57	4·35	3·68	3·42	3·48	4·15	8·43	45·87
,,	7	Midleton (Ballinacurra)	4·06	3·11	4·27	1·52	2·04	2·40	4·00	4·58	3·07	3·31	4·04	6·50	42·90
,,	9	Mallow (Longueville)	6·07	2·60	5·05	1·21	1·85	2·79	3·76	4·02	3·44	3·02	3·68	5·96	43·45
,,	9	Kanturk (Castlecor)	6·89	2·77	5·29	·94	1·64	3·29	2·90	4·16	3·91	2·70	3·45	4·68	42·62
Co. Kerry	2	Tralee (Technical Sch.)	5·56	2·09	5·59	1·28	1·71	3·80	3·01	4·81	4·80	2·43	3·67	4·03	42·78
,,	3	Cahirciveen (Valentia Obs.)	6·10	4·02	6·21	1·40	2·35	3·75	3·91	4·93	4·98	4·28	4·48	6·50	52·91
,,	3	Killarney (District Asylum)	9·08	2·96	7·23	1·29	1·63	5·13	3·86	7·17	6·30	4·84	5·64	4·70	59·83
,,	3	Killorglin (Callinafercy)	7·86	2·86	6·69	1·01	1·63	3·22	2·68	6·35	6·49	4·15	4·01	4·17	51·12
,,	4	Darrynane Abbey	7·65	3·36	6·06	1·75	2·48	4·16	3·66	6·06	5·51	5·00	4·34	5·58	55·61
,,	4	Kenmare (Dromore Castle)	9·33	4·59	8·71	2·35	2·71	4·80	5·11	8·24	5·87	5·56	6·76	7·41	71·44
Co. Waterford	3	Waterford (Brook Lodge)	3·08	2·18	4·46	1·25	1·87	3·93	4·99	4·27	3·52	3·01	3·94	5·73	42·23
,,	3	Carrick-on-Suir (Seskin)	4·82	3·17	5·26	1·07	2·12	3·18	5·48	5·11	2·91	3·61	4·07	7·50	48·30
Co. Tipperary	1	Nenagh (Traverston)	5·18	2·94	4·36	1·69	1·17	4·22	3·57	5·05	5·10	3·24	3·64	4·64	44·80
,,	1	Nenagh (Castle Lough)	5·02	2·55	4·33	1·95	1·62	4·38	2·81	4·22	5·15	2·81	3·17	3·63	41·64
,,	3	Clonmel (Coolgreany)	4·51	2·64	5·68	1·08	1·70	2·86	3·43	3·94	3·26	2·96	3·51	4·37	39·94
,,	3	Cashel (Ballinamona)	4·58	3·02	4·80	1·24	1·05	3·42	4·87	4·85	3·14	2·44	2·54	4·67	40·62
,,	4	Roscrea (Timoney Park)	3·54	3·79	4·27	1·61	1·13	3·50	3·96	5·66	3·15	2·08	2·74	3·49	38·92
Co. Limerick	2	Abbeyfeale (Springmount School)	7·79	2·56	4·19	1·57	·78	5·31	2·63	3·86	6·05	2·82	3·35	4·42	45·33
,,	2	Knocklong (Kilfrush)	5·55	2·44	3·93	1·16	1·61	4·84	2·86	4·83	4·73	2·14	3·15	3·61	40·85
,,	2	Foynes (National School)	7·23	3·11	3·84	2·05	1·39	5·17	1·98	3·12	5·49	2·48	2·77	4·14	42·77
,,	2	Limerick (O'Connell Street)	5·32	2·92	3·27	1·49	1·37	4·63	2·80	3·71	4·76	2·27	2·41	3·22	38·17
Co. Clare	2	Inagh (Mount Callan)	10·72	3·71	6·15	3·12	2·95	7·54	3·53	6·47	8·93	4·23	3·28	7·69	68·32
,,	3	Dromoland Castle	5·84	3·18	3·73	2·20	1·43	4·24	2·15	3·66	5·18	2·76	2·51	4·60	41·48
,,	3	Tuamgraney (Raheen Ho.)	6·18	3·64	5·13	2·49	1·75	4·16	3·13	5·45	5·12	3·28	3·06	4·66	48·05
Co. Wexford	2	Foulkesmill (Longraigue)	3·62	2·85	4·48	1·55	2·00	4·62	4·04	6·02	3·81	3·79	4·40	5·98	47·16
,,	3	Johnstown Castle	2·99	2·41	4·55	1·12	2·17	3·85	1·74	5·98	3·53	3·85	5·31	5·30	42·80
,,	3	Enniscorthy (Woodbrook)	4·89	4·72	7·35	2·15	1·94	4·47	5·46	6·58	3·89	4·88	4·78	6·27	57·38
,,	4	Gorey (Courtown House)	3·23	2·69	5·13	1·87	1·52	3·42	2·68	4·82	2·37	3·85	2·97	3·99	38·54
Co. Kilkenny	2	Kilkenny Castle	3·12	2·51	4·27	·85	1·41	2·91	4·28	3·93	2·87	2·60	2·85	3·79	35·39

Table XX.- (*con.*) *Monthly Rainfall*—**IRELAND**—(*con.*)

County and River Division.		Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Co. Wicklow....	3	Rathdrum (Avondale)	2·95	4·29	5·40	1·47	2·17	4·05	4·27	5·10	2·78	4·00	3·86	5·04	45·38
,, ...	4	Greystones (Rathdown)	3·19	3·27	4·12	1·13	1·18	3·19	3·43	5·73	2·60	4·36	3·69	4·17	40·06
Co. Carlow	2	Bagnalstown (Fenagh House) ..	3·60	3·23	4·22	·70	1·30	2·97	2·77	5·56	2·03	3·43	2·83	3·01	35·65
,, ...	3	Hacketstown Rectory	3·45	4·85	5·69	1·34	1·64	4·42	5·18	6·21	2·91	3·58	3·07	3·41	45·75
Queen's County	2	Abbey Leix (Blandsfort)	3·81	3·49	3·73	1·25	1·45	3·64	4·50	6·38	3·41	2·33	2·66	3·27	39·92
,, ,,	3	Mountmellick (Summer Grove) ..	3·73	3·34	5·07	1·79	1·13	3·49	3·35	4·90	4·32	2·66	3·21	2·28	39·27
King's County .	1	Birr Castle	3·38	2·43	3·44	1·54	·79	2·78	2·96	4·29	4·88	1·91	2·48	2·16	33·04
Co. Kildare	2	Straffan House	2·55	1·99	3·15	1·09	1·58	3·31	3·44	4·94	4·50	3·49	3·07	1·70	34·81
Co. Dublin	2	Howth Castle	1·79	2·37	3·09	1·20	1·13	2·17	2·23	5·40	2·29	3·26	3·00	3·67	31·60
,, ...	3	Balbriggan (Ardgillan)	2·44	2·67	3·27	1·12	1·09	2·26	3·48	4·77	3·87	3·78	3·63	2·35	34·73
Co. Meath	2	Dunboyne (Stirling, Clonee)	2·67	2·24	3·08	1·37	·72	2·99	3·21	4·90	4·06	3·50	2·95	2·11	33·80
,, ...	4	Summerhill House	3·27	2·31	3·47	1·41	1·91	3·67	3·02	5·79	4·49	3·05	2·85	2·87	38·11
,, ...	4	Kells (Headfort)	3·35	2·79	3·82	1·16	1·57	2·32	3·44	4·27	4·07	3·72	2·77	2·63	35·91
Co. Westmeath	1	Moate (Coolatore)	3·31	2·74	2·83	1·48	1·38	2·50	3·08	5·18	4·34	2·95	2·02	2·59	34·40
,,	1	Mullingar (Belvedere House)	3·50	3·19	3·48	1·54	1·32	2·31	3·34	5·07	4·45	2·77	2·34	2·50	35·81
,, ...	1	Mullingar (Ballynegall Gdns.) ..	3·52	3·04	3·93	1·70	1·25	3·10	2·66	4·50	3·85	3·31	2·72	2·21	35·79
Co. Louth	2	Dundalk (Aughneskea Reservoir)	2·82	2·80	3·40	1·69	2·14	3·08	3·69	4·56	5·02	3·97	4·98	3·87	42·02
,, ...	3	Greenore	2·42	2·97	2·68	·86	2·38	3·26	2·90	4·20	4·59	3·98	4·85	4·09	39·18
Co. Longford ..	2	Ballymahon (New Castle)	4·04	3·11	3·33	1·30	1·00	2·63	3·40	4·44	4·66	3·41	2·34	2·32	35·98
,, ..	2	Castle Forbes Gardens	4·61	2·99	4·05	1·39	1·55	3·11	2·44	4·67	5·43	3·71	2·38	2·44	38·77
Co. Galway	3	Ballynahinch Castle	8·59	6·15	8·33	3·33	2·40	5·58	3·89	8·81	9·97	5·98	5·00	†6·15	74·18
,, ...	3	Tuam (Gardenfield)	6·26	3·32	4·93	2·58	1·60	4·10	2·14	5·47	6·89	2·58	1·95	3·27	45·09
,, ...	5	Killimor (Ramore)	3·74	2·59	4·07	1·77	·95	3·86	2·61	5·40	5·70	2·37	2·65	2·81	38·52
,, ...	5	Ahascragh (Clonbrock)	5·17	3·85	4·80	1·81	1·47	4·40	2·65	5·94	6·11	4·21	3·34	2·67	46·42
Co. Roscommon	4	Strokestown (Castlenode)	4·57	3·34	4·36	1·79	1·38	3·42	2·65	6·06	4·61	3·67	2·34	2·94	41·13
Co. Mayo	2	Castlebar Rectory.....	8·91	3·56	6·01	3·01	2·33	4·76	3·33	6·58	6·30	3·13	5·02	3·53	56·47
,, ...	4	Westport House	7·97	3·21	5·21	2·07	2·15	4·09	3·86	7·29	6·92	3·15	4·24	4·92	55·08
,, ...	4	Mallarany	9·67	5·48	7·23	4·05	2·03	5·00	5·07	10·97	9·14	5·89	6·33	4·11	74·97
,, ...	5	Aasleagh House.....	14·13	7·86	13·39	5·35	4·08	7·05	6·95	11·47	10·24	6·92	9·24	10·04	106·72
,, ...	6	Ballinrobe (Creagh).....	7·76	3·91	6·69	1·74	2·40	6·41	2·71	7·73	5·18	3·90	3·97	4·49	56·89
,, ...	6	Tourmakeady (Drimbaun)	9·47	3·60	7·25	1·95	1·86	4·16	2·54	6·93	5·24	4·53	6·78	5·10	59·41

† The gauge caught only 3·15 inches of rain and snow. This value is undoubtedly too low owing to loss by wind and has been adjusted from the records of other stations in Connemara.

Table XX.—(*con.*) *Monthly Rainfall*—**IRELAND**—(*con.*)

County and River Division.		Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Co. Sligo	2	Collooney (Markree Obsy)	8·96	2·70	(4·35)	1·89	2·02	3·32	3·16	7·31	6·13	2·64	3·86	1·77	48·11
,, ...	2	Sligo (Ard-na-veagh)	8·72	2·57	4·35	2·29	1·56	4·20	3·60	7·19	5·81	2·81	4·15	2·04	49·29
Co. Cavan.....	1	Crossdoney (Kevit Castle)	4·66	2·35	3·38	1·36	1·89	3·67	3·40	4·55	5·16	2·77	2·47	2·33	37·99
,, ...	1	Belturbet (Cloverhill)	3·34	1·70	3·27	1·48	1·49	3·36	2·59	4·30	4·21	2·74	2·52	2·03	33·03
Co. Fermanagh	1	Enniskillen (Portora School)	5·25	2·64	4·24	1·82	1·53	3·56	3·10	3·84	4·51	2·15	3·59	1·53	37·76
,,	1	Belleek (Heronshaw).....	7·94	2·70	4·23	2·88	1·14	4·02	2·66	4·97	5·52	3·29	4·44	1·49	45·28
Co. Monaghan ..	3	Monaghan (Workhouse)	4·52	2·02	3·95	1·55	1·45	3·11	3·77	6·05	4·85	3·21	3·86	2·27	40·61
Co. Armagh	3	Lurgan (Belle Vue)	2·87	1·48	2·72	·81	1·18	3·28	3·39	3·72	5·29	2·28	2·79	1·63	31·44
,, ...	5	Armagh Observatory	3·34	1·40	2·33	1·32	1·54	2·91	2·57	4·46	5·27	2·24	3·40	1·83	32·61
Co. Down	1	Newry (Bridge Street House)	3·70	2·22	3·47	1·32	2·15	3·35	3·99	6·55	4·31	4·14	5·00	3·03	43·23
,, ...	2	Seaforde	2·91	3·07	3·29	1·88	1·69	3·34	3·33	3·97	4·90	3·80	3·84	4·39	40·41
,, ...	4	Donaghadee (Coastguard Station)	3·10	1·89	3·21	1·26	1·51	3·58	3·74	3·52	4·36	3·26	3·35	2·57	35·35
Co. Antrim	1	Belfast (Queen's University)	4·08	1·92	2·59	1·37	1·64	3·66	3·11	3·83	5·63	3·23	4·88	3·26	39·20
,, ...	2	Larne (Sallagh Springs)	5·67	3·30	3·94	2·36	2·22	5·05	4·09	3·54	6·70	4·11	5·77	3·71	50·46
,, ...	2	Glenarm Castle	6·07	2·65	3·03	2·68	2·74	3·56	3·22	3·75	6·18	4·58	5·79	2·60	46·85
,, ...	3	Ballycastle (Sheskburn)	6·38	1·61	3·00	3·41	2·54	3·43	3·26	3·31	4·87	3·86	4·48	2·16	42·31
,, ...	5	Ballymena (Harryville)	4·04	1·93	2·97	2·54	1·95	4·42	3·55	3·08	5·48	4·11	4·20	2·02	40·29
Co. Londonderry	1	Londonderry (Dunruadh)	6·22	1·79	3·01	2·26	1·39	3·63	2·54	3·27	5·04	3·93	4·34	1·11	38·53
,,	5	Glenedra Lodge	7·55	3·20	5·82	3·67	2·47	5·85	5·24	4·67	6·69	6·70	6·26	2·63	60·75
,,	5	Limavady (Drenagh)	5·23	1·44	2·33	2·29	1·32	3·17	3·50	3·31	4·44	2·98	4·13	1·62	35·76
Co. Tyrone	2	Donaghmore	4·25	2·40	3·07	1·78	2·06	3·84	3·11	4·06	4·95	3·38	4·36	2·37	39·63
,, ...	3	Omagh (Edenfel)	4·74	2·06	3·53	1·75	1·46	3·54	3·13	3·63	4·31	3·23	3·97	1·60	36·95
,, ...	3	Sion Mills (Sion House)	6·79	1·88	3·65	2·17	1·57	3·64	2·95	2·79	4·92	3·31	4·04	·94	38·65
Co. Donegal	1	Malin Head	5·10	1·60	2·06	2·94	1·74	3·78	3·89	3·05	4·39	4·43	3·66	1·61	38·25
,, ...	3	Milford (The Manse)	6·85	2·58	3·80	2·54	1·15	3·66	4·04	4·27	4·87	4·12	4·19	1·07	43·14
,, ...	3	Dunfanaghy (St. Patrick's)	7·26	2·21	3·03	3·19	1·25	3·68	3·53	4·94	5·15	4·36	4·25	1·25	44·10
,, ...	5	Killybegs (Rockmount)	10·28	4·38	4·77	4·69	1·96	5·04	4·38	6·30	7·09	4·28	6·88	2·26	62·31

Table XXI.—*Monthly Rainfall in* 1927; *the Average,* 1881–1915, *being taken as* 100.

County and River Division.	Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		%	%	%	%	%	%	%	%	%	%	%	%	%
London 2	St. Pancras (Camden Square) ..	96	200	140	131	73	139	136	180	262	49	110	174	138
Kent 1	Tenterden (Ashenden)	102	194	178	101	38	222	223	171	157	53	100	151	137
„ 2	St. Peter's	73	179	102	114	33	194	284	179	144	43	120	162	134
„ 4	Edenbridge (Falconhurst)	113	228	155	103	88	177	155	214	197	66	96	138	140
Sussex 1	Compton (Compton House)	90	193	130	127	68	178	139	155	257	76	104	130	134
„ 3	Brighton W.W. (Lewes Road) ..	94	173	192	127	54	249	78	227	275	65	111	137	142
Hampshire 1	Ventnor (Royal National Hosp.)	101	184	155	107	36	125	179	157	294	50	111	113	130
„ 3	Fordingbridge (Oaklands)	112	171	187	125	38	148	171	146	258	61	111	109	129
„ 8	Sherborne St. John	110	203	153	109	88	153	225	109	317	53	135	109	141
Hertfordshire 3	Royston (Therfield Rectory) ...	138	223	109	114	46	133	108	124	277	64	117	116	126
Buckinghamshire . 3	High Wycombe	120	230	150	106	80	195	188	222	320	86	153	124	161
Oxfordshire 3	Oxford (Magdalen College)	131	252	152	112	48	138	126	176	315	68	118	146	143
Northamptonshire. 4	Pitsford (Sedgebrook).....	131	181	131	101	49	208	121	141	242	72	136	104	132
Cambridgeshire ... 3	Wisbech (Bank House)	111	170	111	161	41	176	111	119	168	88	108	100	121
Essex..... 4	Chelmsford (County Laboratory)	105	231	114	115	66	160	102	183	242	79	103	114	133
Suffolk 1	Hawkedon Rectory.....	87	201	106	162	26	165	160	104	259	78	126	99	128
„ 3	Felixstowe (Wireless Tel. Sta.)..	74	168	127	137	69	231	162	162	147	58	95	111	127
Norfolk 1	Beccles (Geldeston)	67	145	105	99	24	224	79	126	206	83	170	110	119
„ 2	Worstead (Lyngate Cot.)	116	146	107	142	38	225	98	133	166	77	178	95	125
„ 4	Little Dunham (Dunham Cot.)..	128	138	108	125	39	240	134	122	161	91	133	91	126
Wiltshire 1	Calne (High Street).....	139	231	127	104	62	125	164	181	348	69	101	88	141
Dorsetshire 3	Weymouth (Westham House) ..	88	119	130	122	66	98	113	153	318	58	92	120	119
South Devonshire . 2	Launceston (Polapit Tamar) ...	216	115	182	94	41	120	143	98	272	61	96	95	125
„ . 4	Ashburton (Druid House)	162	108	150	92	25	127	170	117	229	64	78	87	113
„ . 6	Cullompton	170	157	171	93	28	130	122	88	229	56	117	80	116
North Devonshire . 2	Barnstaple (N. Dev. Athenæum)	182	125	146	91	48	99	145	152	267	49	95	62	118
Cornwall 2	Penzance (Morrab Gardens)	178	87	124	127	45	147	88	119	198	57	88	79	108
„ 2	St. Austell (Trevarna).....	191	97	135	118	31	132	107	126	222	46	94	82	112
Somersetshire 1	Chewton Mendip (The Priory) ..	133	142	141	82	51	156	154	135	275	79	118	69	124
Gloucestershire ... 7	Cirencester (Gwynfa)	142	177	136	87	53	162	135	163	255	63	85	102	128
Shropshire 3	Church Stretton (Wolstaston) ..	125	144	141	92	50	183	85	200	208	74	152	80	125
Staffordshire 2	Market Drayton (Old Springs) ..	100	83	124	109	66	182	91	137	157	80	124	52	108

Table XXI.—*Monthly Rainfall in* 1927; *the Average,* 1881-1915, *being taken as* 100—(*con.*).

County and River Division.	Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		%	%	%	%	%	%	%	%	%	%	%	%	%
Worcestershire ... 1	Malvern (Free Library)	153	172	132	87	63	150	171	150	228	70	152	88	132
Warwickshire 3	Farnborough	142	179	138	115	46	213	142	134	274	50	122	86	132
,, ... 4	Birmingham (Edgbaston)	137	171	132	86	92	179	134	138	256	64	161	107	135
Leicestershire 4	Belvoir Castle Gardens	97	120	114	127	37	229	98	80	213	74	140	104	116
Lincolnshire 3	Boston (Black Sluice, Skirbeck).	114	151	123	176	60	184	92	156	189	100	157	122	133
,, ... 3	Lincoln (Sessions House)	86	96	97	116	53	142	96	110	223	58	134	125	109
Derbyshire 5	Derby (L.M. & S. Rly.)	94	107	142	136	73	181	131	122	268	83	145	84	127
S. Lancashire 3	Manchester (Whitworth Park) ..	142	73	143	107	67	179	57	118	239	75	122	32	110
C. ,, ... 1	Stonyhurst College	127	62	114	140	44	130	127	141	237	95	122	25	113
C. ,, ... 3	Southport (Hesketh Park)	147	91	158	58	56	142	101	150	185	86	136	38	113
N. ,, ... 2	Ulverston (Poaka Beck).....	138	127	114	98	78	152	108	129	272	101	111	29	119
Yorkshire, W.R. . 7	Rotherham (Moorgate Grange)..	62	72	122	109	57	130	108	214	231	69	112	85	112
,, ,, . 9	Bradford (Lister Park)	104	68	129	134	66	138	143	214	197	107	117	80	123
,, ,, .10	York (Cherry Hill)	96	92	83	118	63	137	154	164	283	59	116	116	122
,, E.R. .. 3	Hull (Pearson Park)	87	75	70	176	44	136	132	194	200	64	113	118	118
,, N.R. .. 1	Leyburn (Bolton Hall)	109	54	90	124	94	132	190	296	252	115	110	89	134
,, ,, .. 2	Felixkirk (Mount St. John)	122	82	120	90	93	147	168	204	288	88	133	82	136
,, ,, .. 5	Scarborough	94	68	54	141	49	177	97	188	208	62	181	89	117
,, ,, .. 6	Middlesbrough (Albert Park) ..	89	43	117	103	86	122	169	171	203	73	176	91	124
Northumberland .. 3	Newcastle (Town Moor)	67	38	76	125	75	177	139	181	171	48	114	184	118
,, .. 4	Hallington(Fawcett)(Newc.W.W.)	98	31	123	141	93	205	147	180	222	73	125	125	130
,, .. 6	Ilderton (Lilburn Tower Gdns.)	87	43	114	69	82	126	157	184	231	67	103	140	117
Cumberland 1	Carlisle (Scaleby).....	157	78	117	103	83	143	134	128	263	57	142	27	118
,, ... 2	Keswick (Derwent Island)	130	50	110	139	102	157	210	130	184	132	103	22	116
Westmorland 1	Appleby (Castle Bank)	170	57	131	134	122	109	135	235	193	120	92	31	125
Monmouthshire .. 3	Abergavenny (Larchfield)	129	146	128	49	27	142	180	156	209	73	103	89	115
Glamorganshire .. 3	Ystalyfera (Wern House)	139	106	121	73	93	147	211	143	222	100	123	51	123
,, .. 5	Cardiff (Ely Pumping Station) ..	132	119	131	77	66	140	141	124	245	85	141	59	119
Carmarthenshire .. 2	Carmarthen (The Friary)	135	96	132	76	74	132	157	170	142	66	119	69	113
Pembrokeshire ... 4	Haverfordwest (Grammar School)	107	108	121	76	58	121	119	166	151	63	136	72	108
Cardiganshire 2	Aberystwyth (Gogerddan)	129	125	142	110	89	226	143	156	193	94	69	61	125
Radnorshire 1	Birmingham W.W. (Nantgwillt).	143	101	132	98	62	209	149	183	167	83	65	45	112

Table XXI.—*Monthly Rainfall in* 1927; *the Average,* 1881–1915, *being taken as* 100—(*con.*).

County and River Division.	Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		%	%	%	%	%	%	%	%	%	%	%	%	%
Montgomeryshire.. 5	Lake Vyrnwy	142	90	125	115	74	229	141	174	192	157	140	41	131
Flintshire 1	Northop (Soughton Hall)	128	105	195	96	65	123	94	202	199	61	155	45	129
Merionethshire ... 4	Dolgelly (Bryntirion)	128	118	124	118	81	267	145	187	154	95	110	35	124
Carnarvonshire ... 2	Llandudno	78	72	166	62	66	161	70	226	201	59	165	55	116
,, ... 3	Llandwrog (Glynllivon Park) ...	86	122	128	53	76	202	89	175	127	78	117	26	103
Anglesey	Holyhead (Salt Island)	117	119	159	39	58	172	63	185	127	74	145	61	110
Isle of Man	Douglas (Borough Cemetery) ...	113	85	158	72	93	190	93	146	206	97	119	69	118
Wigtownshire 3	Stoneykirk (Ardwell House)	146	81	167	94	62	134	119	111	214	140	118	44	117
Kirkcudbrightshire 3	Dalry (Glendarroch)	111	76	118	88	102	197	190	143	170	115	101	33	112
,, 4	Auchencairn (Torr House)	125	91	122	93	93	189	99	120	242	103	141	35	118
Dumfriesshire 3	Dumfries (Crichton Roy. Inst.)..	122	74	113	78	83	158	230	157	235	110	115	40	124
Roxburghshire... 3	Hawick (Wolfelee)	132	48	85	114	87	120	116	209	250	108	92	68	116
Peebleshire 2	Stobo Castle.....	187	53	113	163	100	158	92	124	330	132	97	43	128
Berwickshire 4	Marchmont House	107	50	101	90	113	162	111	240	251	71	110	97	126
Haddingtonshire .. 5	North Berwick Reservoir	77	63	93	50	79	134	91	193	264	102	84	129	119
Midlothianshire .. 5	Edinburgh (Univ. Eng. Lab.) ..	114	63	72	105	101	178	87	218	394	109	58	75	134
Lanarkshire 4	Caldercruix (Hillend Reservoir) .	159	88	106	125	73	151	107	189	255	130	102	23	125
Ayrshire 3	Kilmarnock (Agricultural Coll.) .	165	78	88	161	85	220	145	104	231	126	131	17	124
,, ... 8	Girvan (Pinmore)	153	65	161	110	95	156	101	73	181	109	108	27	107
Renfrewshire 3	Shaws W.W. (Loch Thom)	141	87	114	122	110	140	142	134	198	140	150	26	123
Argyllshire 8	Lochgilphead (Poltalloch)	168	93	112	164	126	130	77	146	121	133	92	20	110
,, ...10	Skipness Castle	171	65	110	127	110	153	104	96	163	118	111	19	109
,, ...11	Inveraray Castle Gardens	186	104	110	158	126	165	90	129	152	155	127	9	121
,, ...14	Islay (Eallabus)	156	84	95	144	120	178	128	75	154	118	107	27	109
Kinross-shire 2	Loch Leven Sluice	101	63	94	52	95	154	119	185	290	162	99	52	122
Perthshire..... 1	Loch Dhu	127	78	107	108	80	166	124	116	124	138	104	26	103
,, ... 7	Crieff (Strathearn Hydro)	124	61	125	65	82	182	157	159	137	156	77	39	112
,, ...14	Blair Atholl (Blair Castle Gdns.)	146	45	100	95	119	132	225	126	173	141	83	35	115
Forfarshire 2	Dundee (Eastern Necropolis) ...	98	70	117	56	114	141	79	165	256	198	122	76	127
,, ... 4	Montrose (Sunnyside Asylum)...	91	85	98	81	125	174	67	114	295	184	81	100	123
Aberdeenshire 1	Balmoral (Castle Gdns.).....	137	33	80	133	138	201	136	145	182	126	75	84	117
,, ... 1	Logie Coldstone School	117	56	73	118	80	193	89	164	228	120	121	65	118

Table XXI.—*Monthly Rainfall in* 1927; *the Average,* 1881–1915, *being taken as* 100—(*con.*).

County and River Division.	Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		%	%	%	%	%	%	%	%	%	%	%	%	%
Aberdeenshire 2	Aberdeen (King's College)	86	86	88	126	111	148	67	82	288	111	136	76	114
,, ... 4	New Deer Schoolhouse	96	89	72	213	140	185	49	121	314	142	171	71	134
Morayshire 2	Gordon Castle	106	63	92	160	115	204	36	65	279	137	98	83	116
,, ... 3	Grantown-on-Spey	141	36	71	194	176	182	103	114	243	143	131	49	130
Nairnshire 2	Nairn (Delnies)	127	55	87	140	128	199	66	127	232	167	108	49	122
Inverness-shire ... 6	Fort Augustus (St. Benedict's) .	151	37	60	182	66	144	81	142	169	144	117	11	103
,, ... 7	Loch Quoich (Glenquoich)	131	53	82	211	89	182	55	83	124	168	97	3	99
,, ...13	Arisaig House	173	73	104	202	97	125	65	73	103	125	89	5	98
,, ...17	Fort William	144	55	71	211	78	159	84	114	119	105	102	5	97
Ross and Cromarty 4	Alness (Ardross Castle)	144	35	58	135	91	152	117	127	220	174	81	41	112
,, 7	Ullapool	172	36	88	259	78	187	89	75	192	139	95	1	108
,, 8	Loch Torridon (Bendamph)	150	45	90	219	102	155	78	79	120	113	103	5	98
,, 10	Stornoway	141	48	69	213	71	162	129	68	155	142	94	19	102
Sutherlandshire .. 1	Lairg	181	61	74	226	75	155	109	60	171	127	102	28	109
,, .. 4	Tongue	114	36	64	190	88	219	58	90	181	148	105	18	102
,, .. 4	Melvich.....	90	58	67	156	128	173	61	53	170	153	128	22	100
,, .. 5	Loch More (Achfary)	167	40	83	317	123	197	42	97	180	135	98	14	114
Caithness-shire.... 2	Wick	100	87	71	212	100	161	49	73	131	135	116	29	101
Orkney	Pomona (Deerness)	116	73	80	295	92	169	67	43	115	162	115	32	106
Co. Cork 6	Dunmanway (The Rectory)	110	57	138	39	99	92	124	111	110	101	100	110	99
,, ,, ... 7	Glanmire (Lota Lodge) No. 1 ..	124	76	175	46	93	119	163	164	119	92	97	140	118
,, ,, ... 9	Mallow (Longueville)	156	76	174	50	83	127	150	130	143	84	98	122	116
,, Kerry 3	Cahirciveen (Valentia Obsy.) ...	111	77	137	38	74	117	103	103	120	77	82	98	95
,, ,, ... 3	Killarney (District Asylum)	153	57	153	39	53	176	116	162	176	90	101	65	109
,, Waterford 3	Waterford (Brook Lodge)	83	57	162	49	81	146	154	111	127	77	104	122	107
,, Tipperary 1	Nenagh (Castle Lough)	127	82	140	78	66	179	89	107	183	83	79	79	105
,, ,, ... 3	Cahir (Abbey)	128	92	192	42	50	142	125	109	133	89	103	97	108
,, Limerick 2	Foynes (Coolnanes)	205	97	132	81	70	208	69	90	187	59	72	74	109
,, Wexford..... 4	Gorey (Courtown House)	104	96	222	85	68	141	91	145	96	109	85	105	111
,, Kilkenny 2	Kilkenny Castle.....	98	99	186	39	64	120	152	113	124	83	93	110	107
,, Carlow 2	Bagnalstown (Fenagh Ho.)	115	127	174	31	53	120	88	158	82	102	84	80	102
Queen's County .. 2	Abbey Leix (Blandsfort)	116	130	142	48	60	141	144	162	125	66	80	89	109

Table XXI.—*Monthly Rainfall, in* 1927; *the Average,* 1881-1915, *being taken as* 100—(*con.*).

County and River Division.	Station.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		%	%	%	%	%	%	%	%	%	%	%	%	%
King's County ... 1	Birr Castle	119	106	143	72	35	120	100	113	213	66	80	66	101
Co. Kildare 2	Straffan House	99	92	136	55	72	146	122	131	202	123	98	56	110
,, Dublin 3	Balbriggan (Ardgillan) No. 1 ...	107	136	163	57	52	112	128	140	190	140	126	81	120
,, Meath 4	Kells (Headfort)	107	103	139	46	58	88	108	103	153	111	81	69	97
,, Westmeath .. 1	Mullingar (Belvedere)	109	115	129	65	54	89	105	122	167	89	69	68	99
,, Louth 3	Greenore	96	129	117	39	103	132	102	120	198	141	159	125	123
,, Longford 2	Castle Forbes Gardens	138	105	137	58	60	121	78	114	189	114	66	61	103
,, Galway 3	Ballynahinch Castle	138	120	163	94	67	158	94	161	210	100	84	82	122
,, ,, ... 5	Ahascragh (Clonbrock)	133	125	144	71	53	157	76	142	198	115	83	57	112
,, Mayo 3	Blacksod Point	143	100	118	102	57	111	88	162	136	92	127	77	111
,, ,, ... 4	Westport House	171	81	134	77	75	151	125	180	195	70	87	86	118
,, Sligo 2	Collooney (Markree Observatory)	228	77	126	71	72	110	91	168	183	64	93	37	110
,, Cavan 1	Belturbet (Cloverhill)	112	65	118	65	60	138	83	116	170	94	81	55	95
,, Armagh 5	Armagh Observatory	133	63	99	63	65	115	89	123	214	82	120	58	103
,, Down 2	Seaforde	92	101	113	72	64	121	104	106	177	107	101	107	106
,, Antrim 1	Belfast (Queen's University) ...	142	76	100	61	71	146	104	104	219	98	146	89	113
,, ,, ... 5	Ballymena (Harryville)	109	60	94	96	68	152	103	72	176	111	104	45	97
,, Londonderry . 5	Londonderry (Creggan Reservoir)	202	66	109	96	55	137	75	84	164	112	113	26	102
,, ,, . 5	Limavady (Drenagh)	163	50	79	101	57	122	112	86	152	87	111	43	97
,, Tyrone 3	Omagh (Edenfel)	134	69	112	67	56	126	92	85	141	88	104	38	92
,, Donegal 3	Milford (The Manse)	183	79	112	100	46	133	122	102	150	103	96	23	103
,, ,, ... 5	Killybegs (Rockmount)	184	88	94	130	54	133	100	113	154	76	109	31	103
England .....(general mean, *57 stations) ..		**119**	**133**	**128**	**115**	**59**	**162**	**137**	**157**	**234**	**72**	**121**	**97**	..‡
Wales .....(,, ,, 13 ,,) ..		**123**	**110**	**139**	**80**	**68**	**175**	**131**	**173**	**180**	**84**	**122**	**55**	..
England and Wales ..(,, ,, 70 ,,) ..		**120**	**129**	**130**	**109**	**61**	**165**	**136**	**160**	**224**	**74**	**121**	**89**	..
Scotland .....(,, ,, 44 ,,) ..		**134**	**64**	**94**	**149**	**101**	**166**	**101**	**121**	**204**	**134**	**107**	**40**	..
Ireland .....(,, ,, 35 ,,) ..		**133**	**89**	**137**	**66**	**65**	**133**	**108**	**123**	**162**	**94**	**98**	**76**	..
British Isles† .....(,, ,, 150 ,,) ..		**127**	**100**	**121**	**110**	**74**	**158**	**119**	**140**	**204**	**97**	**111**	**71**	..

* The "general" values given in the last six rows are obtained by taking the means of the percentage values for the stations. † Including Isle of Man. ‡ See Table XXIV.

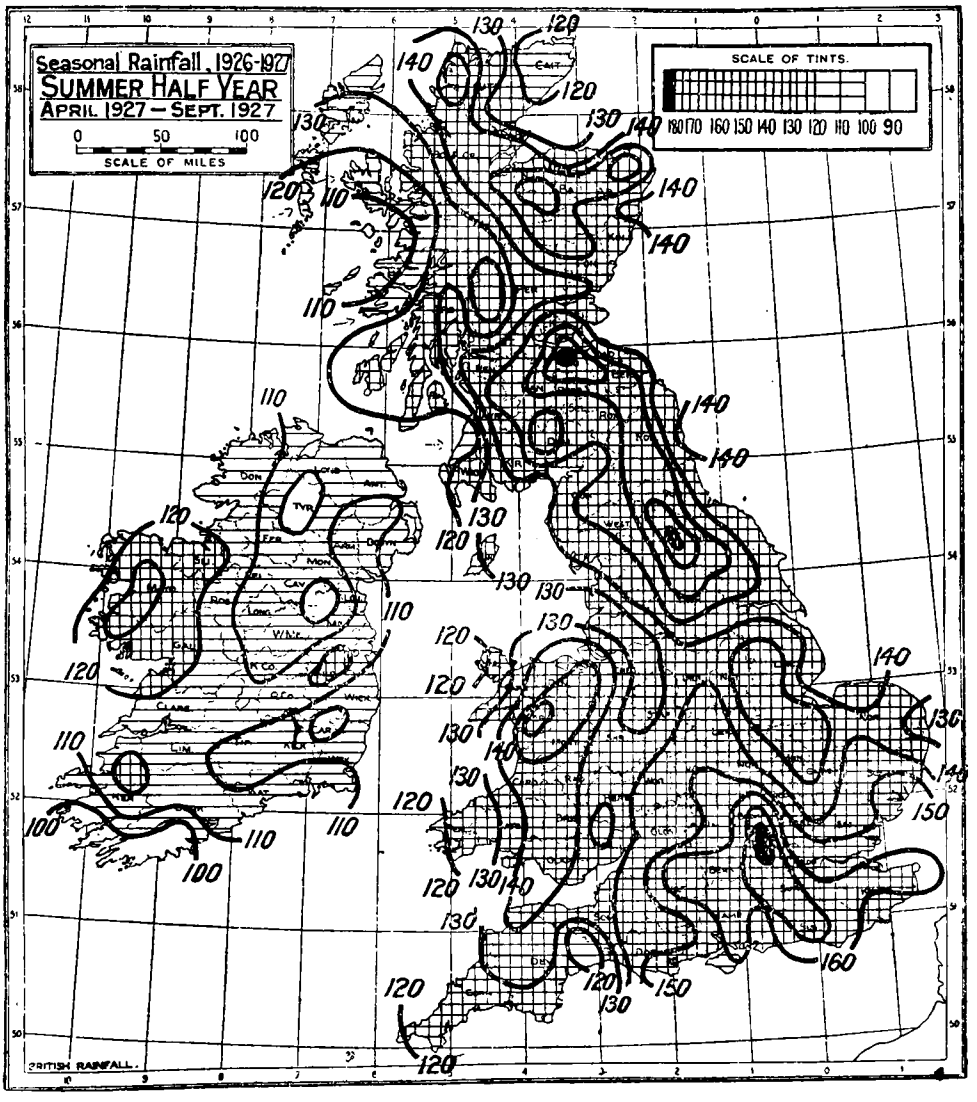
9. SEASONAL RAINFALL, 1926-1927.

While a study of rainfall by intervals of time based on the calendar months and calendar year is largely inevitable, there are definite

Rainfall, Winter Half-year, as per cent. of average.

advantages in considering in addition the rainfall of the winter and summer separately. One defect of the calendar year as a unit of time

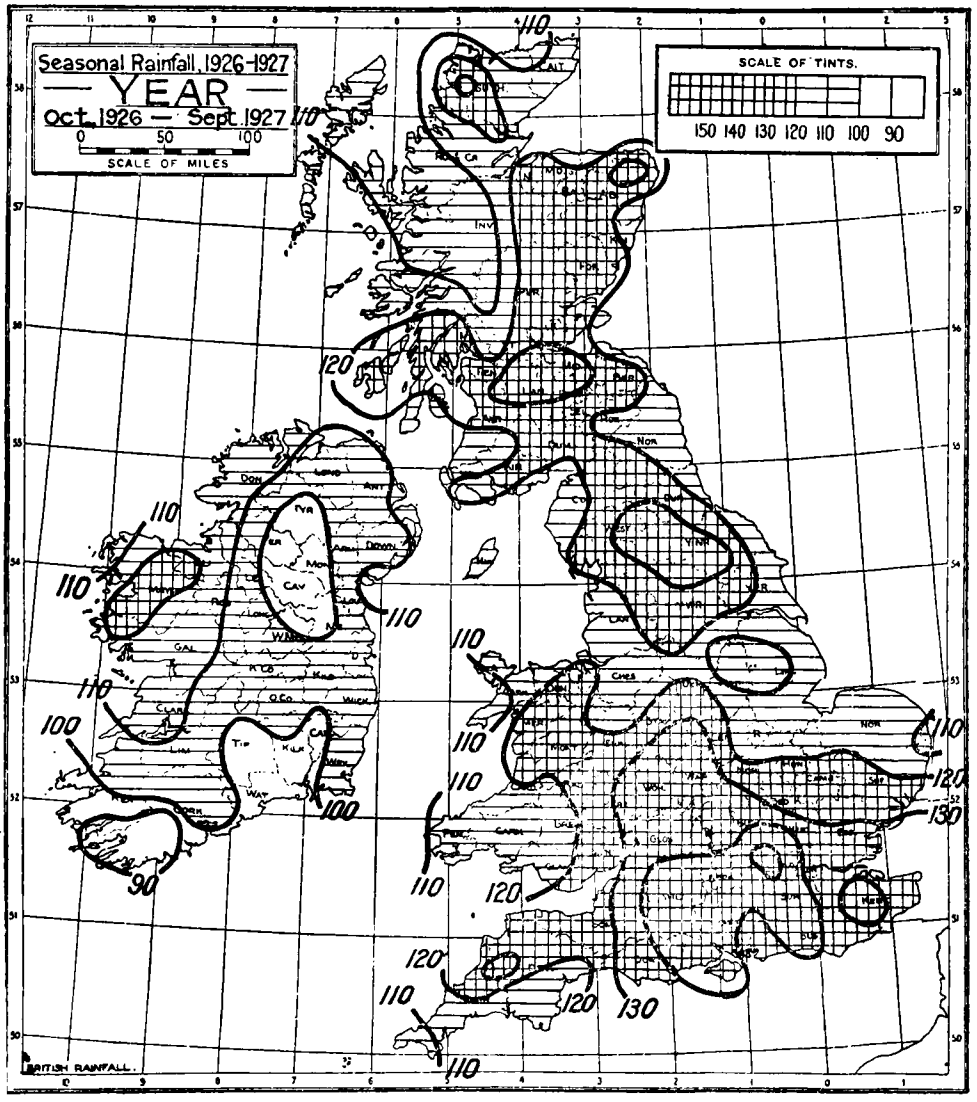
for rainfall purposes is that half of a winter is included in one calendar year and the other half in another year. Winter rainfall has a special economic importance in connection with water supply, for, except in the wettest areas, the summer rainfall is, for the most part, lost by evaporation or absorbed by vegetation. It is therefore important to consider the rainfall of each winter and summer season separately.


Seasonal Rainfall, 1926-1927
SUMMER HALF YEAR
APRIL 1927 – SEPT. 1927
0 50 100
SCALE OF MILES
SCALE OF TINTS.
180 170 160 150 140 130 120 110 100 90
BRITISH RAINFALL.

Rainfall, Summer Half-year, as per cent. of average.

In this section the rainfall of the winter season, 1st October, 1926, to 31st March, 1927, and of the summer season, 1st April, 1927, to 30th September, 1927, is dealt with, as well as the rainfall of the whole seasonal year, 1st October, 1926, to 30th September, 1927. It is

natural to associate a summer season with the preceding rather than with the following winter season, since the water required in summer for replenishing streams and for the needs of vegetable life is derived, in part, from that which has been naturally stored during the previous winter season. One section of *British Rainfall* has been devoted to this subject since the volume for 1908, and three maps and Table XXIII, similar to those introduced in that volume, are now reproduced.



Rainfall, Seasonal Year, as per cent. of average.

Table XXIII contains values of the rainfall for each of these two seasons for each of the stations shown in Section 8 on Monthly Rainfall. The values are expressed as percentages of the average fall for the season and the station. The table gives in the fourth column the corresponding percentages for each station for the whole of the

seasonal year. These last figures are not always the mean of the percentages for the two seasons, but often show a bias towards the winter value rather than that of the summer. This is due to the fact that the average rainfall for the winter is, in general, greater than that for the summer.

The winter *half-year* contained the exceptionally wet November and the very dry December of 1926, which, together gave very nearly the normal rainfall; and two fairly wet months January and March, 1927. For the whole British Isles the rainfall was only 5 per cent. in excess of the average. The map for the rainfall of this period shows that the deficiency was nowhere greater than 20 per cent., although it exceeded 10 per cent. in three well-defined areas in Ireland, in part of the Western Highlands of Scotland, and along part of the east coast from Edinburgh to Lincoln. On the other hand, the greatest excesses occurred at Fordingbridge, Calne and Malvern of 37, 36 and 33 per cent. respectively.

The *summer* of 1927 was far more remarkable. The rainfall of each month except May exceeded the average over the British Isles generally, June and September being unusually wet. The general rainfall for the whole country for the whole summer was 135 per cent. of the average. The rainfall was least remarkable in Ireland, where less than the average for the season was recorded over four small areas and the largest excesses, *viz.*, in Connemara, fell short of 40 per cent. All parts of Great Britain recorded more than the average. There were a series of small areas with very large excesses centred round Loch More in Sutherlandshire, New Deer in Aberdeenshire, Edinburgh, Leyburn in the North Riding, Dolgelly in Merionethshire and High Wycombe in Buckinghamshire. At Edinburgh, Leyburn and High Wycombe the falls of 181, 187 and 190 per cent. were between 10 and 12 inches in excess of the average for the season.

The map for the *seasonal year* necessarily shows characteristics similar to those of the seasonal maps. Falls of less than the average were confined to Ireland, where the rainfall was everywhere except in the north-west within 10 per cent. of the average. In Great Britain patches of large excesses occurred near Loch More, New Deer, Edinburgh, Leyburn and High Wycombe. The excess exceeded 40 per cent. only in the south of England, the largest excess being recorded at High Wycombe, where the fall of 39·94 inches was 14·04 inches or 54 per cent. in excess of the average.

In order to compare the general values for 1926–1927 with those of other years, the values set out in *British Rainfall*, 1924,* have been reproduced as Table XXII. The percentage values are not always

* *British Rainfall*, 1924, p. 265. General Monthly Rainfall over the British Isles, 1881—1924.

identical with those given in *British Rainfall*, 1926, page 125, since the latter have not referred to the same averages throughout. In *British Rainfall*, 1926, values back to 1906–1907 are given for England and Wales, Scotland and Ireland separately. These are not reproduced in the present volume.

The winter of 1926–1927, with 105 per cent. of the average over the country generally, although not as wet as 1924–1925, was wetter than any other similar period back to 1919–1920. The summer of 1927, with 135 per cent., was not as wet as that of 1924 with 144 per cent., but otherwise it was the wettest summer in the series. The seasonal year 1926–1927, with 119 per cent., was slightly wetter than 1923–1924, and it was surpassed by only one year in the series, namely 1911–1912.

We can regard the recent run of wet years as beginning abou 1907–1908. The table shows that while initially the excesses were largely contributed by wet winters, subsequently it was the summers which were particularly wet. Thus, the 7 consecutive winters of 1909–1910 to 1915–1916 were all wetter than the corresponding summers, while 6 out of the 8 most recent summers have given larger excesses than the corresponding winters.

Apart from the wet summer of 1924, we have to go back to that of 1879 before we find one which can compare with 1927. So far as can be ascertained the summers of 1924 and 1879 were about equally wet over the British Isles as a whole, and both were nearly 10 per cent. wetter than that of 1927.

Table XXII.—*Serial General Values of Seasonal Rainfall for the British Isles*, 1881 *to* 1927.

	Rainfall.			Percentage of Average, 1881 to 1915.		
	Winter.	Summer.	Seasonal Year.	Winter.	Summer.	Seasonal Year.
	Oct. to Mar.	Apr. to Sept.	Oct. to Sept.	Oct. to Mar.	Apr. to Sept.	Oct. to Sept.
Oct. Sept.	in.	in.	in.	%	%	%
1881–1882 ..	23·2	22·7	45·9	99	126	111
1882–1883 ..	29·2	20·0	49·2	125	111	119
1883–1884 ..	25·3	15·1	40·4	108	84	98
1884–1885 ..	21·7	17·7	39·4	93	98	95
1885–1886 ..	22·2	18·6	40·8	95	103	99
1886–1887 ..	23·2	13·7	36·9	99	76	89
1887–1888 ..	18·9	18·6	37·5	81	103	91
1888–1889 ..	21·3	18·2	39·5	91	101	95
1889–1890 ..	20·8	18·4	39·2	89	102	95
1890–1891 ..	17·4	20·9	38·3	74	116	92
1891–1892 ..	23·4	20·2	43·6	100	112	105
1892–1893 ..	20·4	14·6	35·0	87	81	85
1893–1894 ..	24·8	17·9	42·7	106	100	103
1894–1895 ..	22·2	15·9	38·1	95	88	92
1895–1896 ..	22·8	18·3	41·1	97	102	99
1896–1897 ..	24·4	19·5	43·9	104	108	106
1897–1898 ..	18·9	17·3	36·2	81	96	87
1898–1899 ..	25·6	18·2	43·8	109	101	106
1899–1900 ..	24·2	18·7	42·9	103	104	104
1900–1901 ..	25·0	17·1	42·1	107	95	102
1901–1902 ..	20·8	17·0	37·8	89	94	91
1902–1903 ..	25·9	22·8	48·7	111	127	118
1903–1904 ..	27·0	18·3	45·3	115	102	109
1904–1905 ..	18·4	16·4	34·8	79	91	84
1905–1906 ..	22·7	15·2	37·9	97	85	92
1906–1907 ..	22·5	19·0	41·5	96	106	100
1907–1908 ..	25·7	19·2	44·9	110	107	108
1908–1909 ..	18·1	18·2	36·3	77	101	88
1909–1910 ..	25·8	19·4	45·2	110	108	109
1910–1911 ..	22·5	14·7	37·2	96	82	90
1911–1912 ..	30·6	20·5	51·1	131	114	123
1912–1913 .	26·6	16·2	42·8	114	90	103
1913–1914 ..	24·2	15·3	39·5	103	85	95
1914–1915 ..	29·1	16·3	45·4	124	91	110
1915–1916 ..	27·8	18·1	45·9	119	101	111
1916–1917 ..	24·2	20·1	44·3	103	112	107
1917–1918 ..	22·6	21·4	44·0	97	119	106
1918–1919 ..	25·8	14·9	40·7	110	83	98
1919–1920 ..	26·4	20·9	47·3	113	116	114
1920–1921 ..	20·8	13·1	33·9	89	73	82
1921–1922 ..	23·4	19·6	43·0	100	109	104
1922–1923 ..	21·4	20·1	41·5	91	112	100
1923–1924 ..	22·5	25·9	48·4	96	144	117
1924–1925 ..	25·8	19·6	45·4	110	109	110
1925–1926 ..	23·2	18·6	41·8	99	104	101
1926–1927 ..	24·6	24·6	49·2	105	135	119

The values in the above table for the years 1881-1882 to 1923-1924 were published in *British Rainfall*, 1924, p. 265. For subsequent years the amounts of rainfall and the percentages of average have been taken from Tables XIX and XXIII of the present volume, and from similar tables published in previous volumes.

Table XXIII.—*Seasonal Rainfall, 1926–27, in relation to the Average, 1881–1915.*

Station.‡	Winter 6 Months, Oct. 1926–Mar. 1927. Per cent. of Average.	Summer 6 Months, Apl. 1927–Sept. 1927. Per cent. of Average.	Twelve Months Oct. 1926–Sept. 1927. Per cent. of Average.	Station.‡	Winter 6 Months, Oct. 1926–Mar. 1927. Per cent. of Average.	Summer 6 Months, Apl. 1927–Sept. 1927. Per cent. of Average.	Twelve Months, Oct. 1926–Sept. 1927. Per cent. of Average.
St. Pancras (Camden Square) ..	118	154	135	St. Austell (Trevarna)	107	126	114
Tenterden (Ashenden)	128	159	141	Chewton Mendip (The Priory) ..	121	144	131
St. Peter's.....	111	165	135	Cirencester (Gwynfa)	125	146	135
Edenbridge (Falconhurst)	122	161	139	Church Stretton (Wolstaston) ..	117	138	127
Compton (Compton House)	111	158	131	Market Drayton (Old Springs) ..	98	125	112
Brighton W.W. (Lewes Road) ..	118	173	141	Malvern (Free Library)	133	143	137
Ventnor (Royal National Hosp.).	130	160	142	Farnborough	116	154	134
Fordingbridge (Oaklands)	137	149	142	Birmingham (Edgbaston)	123	146	135
Sherborne St. John	125	168	144	Belvoir Castle Gardens	100	125	113
Royston (Therfield Rectory)	114	132	123	Boston (Black Sluice, Skirbeck)	100	141	120
High Wycombe	126	190	154	Lincoln (Sessions House)	81	120	100
Oxford (Magdalen College)	127	151	139	Derby (L.M.&S. Rly.)	105	148	127
Pitsford (Sedgebrook).....	114	143	129	Manchester (Whitworth Park) ..	113	125	119
Wisbech (Bank House)	102	129	116	Stonyhurst College	102	141	120
Chelmsford (County Laboratory)	123	148	135	Southport (Hesketh Park)	116	122	119
Hawkedon Rectory.....	109	145	127	Ulverston (Poaka Beck).....	107	143	123
Felixstowe (Wireless Tel. Stn.)..	104	155	129	Rotherham (Moorgate Grange)..	82	140	110
Beccles (Geldeston)	91	126	108	Bradford (Lister Park)	105	151	125
Worstead (Lyngate Cot.)	101	133	117	York (Cherry Hill)	95	151	123
Little Dunham (Dunham Cot.)..	99	139	119	Hull (Pearson Park)	89	148	119
Calne (High Street).....	136	167	150	Leyburn (Bolton Hall)	96	187	134
Weymouth (Westham House)...	125	152	136	Felixkirk (Mount St. John)	112	169	140
Launceston (Polapit Tamar) ...	129	133	131	Scarborough	82	144	112
Ashburton (Druid House)	111	129	118	Middlesbrough (Albert Park) ..	95	146	121
Cullompton	127	114	121	Newcastle (Town Moor)	78	153	115
Barnstaple (N. Dev. Athenæum)	113	141	124	Hallington (Fawcett)	84	166	123
Penzance (Morrab Gardens)	97	123	107	Ilderton (Lilburn Tower Gdns.) .	89	145	115

‡ For Counties see Table XXI, pp. 115-119.

Table XXIII.—*Seasonal Rainfall, 1926–27, in relation to the Average, 1881–1915—(con.).*

Station.‡	Winter 6 Months, Oct. 1926–Mar. 1927. Per cent. of Average.	Summer 6 Months, Apl. 1927–Sept. 1927. Per cent. of Average.	Twelve Months, Oct. 1926–Sept. 1927. Per cent. of Average.	Station.‡	Winter 6 Months, Oct. 1926–Mar. 1927. Per cent. of Average.	Summer 6 Months, Apl. 1927–Sept. 1927. Per cent. of Average.	Twelve Months, Oct. 1926–Sept. 1927. Per cent. of Average.
Carlisle (Scaleby)	103	143	123	Kilmarnock (Agricultural Coll.)	109	155	130
Keswick (Derwent Island)	90	155	117	Girvan (Pinmore)	106	118	111
Appleby (Castle Bank)	106	160	130	Shaws W.W. (Loch Thom)	116	144	128
Abergavenny (Larchfield)	121	126	123	Lochgilphead (Poltalloch)	120	126	123
Ystalyfera (Wern House)	94	152	117	Skipness Castle	122	125	123
Cardiff (Ely Pumping Station)	109	135	121	Inveraray Castle Gardens	118	136	125
Carmarthen (The Friary)	106	132	116	Islay (Eallabus)	130	130	130
Haverfordwest (Grammar Sch.)	106	123	113	Loch Leven Sluice	96	156	123
Aberystwyth (Gogerddan)	112	156	132	Loch Dhu	106	119	111
Birmingham W.W. (Nantgwillt)	102	147	119	Crieff (Strathearn Hydro)	115	135	124
Lake Vyrnwy	106	157	126	Blair Atholl (Blair Castle Gdns.)	113	147	127
Northop (Soughton Hall)	103	152	125	Dundee (Eastern Necropolis)	118	137	128
Dolgelly (Brynttirion)	102	161	126	Montrose (Sunnyside Asylum)	111	137	123
Llandudno	93	140	114	Balmoral Castle Gardens	104	153	125
Llandwrog (Glynllivon Park)	96	125	108	Logie Coldstone School	101	143	121
Holyhead (Salt Island)	108	113	110	Aberdeen (King's College)	102	131	116
Douglas (Borough Cemetery)	93	136	111	New Deer Schoolhouse	106	163	132
Stoneykirk (Ardwell House)	119	124	121	Gordon Castle	95	133	114
Dalry (Glendarroch)	94	149	115	Grantown-on-Spey	97	163	129
Auchencairn (Torr House)	102	140	119	Nairn (Delnies)	98	144	121
Dumfries (Crichton Roy. Inst.)	95	161	125	Fort Augustus (St. Benedict's)	92	133	108
Hawick (Wolfelee)	85	153	114	Loch Quoich (Glenquoich)	88	121	100
Stobo Castle	114	158	134	Arisaig House	112	105	109
Marchmont House	91	165	127	Fort William	88	126	102
North Berwick Reservoir	86	143	115	Alness (Ardross Castle)	105	141	120
Edinburgh (Univ. Engin. Lab.)	91	181	137	Ullapool	96	147	115
Caldercruix (Hillend Reservoir)	116	156	134	Loch Torridon (Bendamph)	93	123	105

‡ For Counties see Table XXI, pp. 115-119.

Table XXIII.—*Seasonal Rainfall, 1926-27, in relation to the Average, 1881-1915—(con.).*

Station.‡	Winter 6 Months, Oct. 1926–Mar. 1927. Per cent. of Average.	Summer 6 Months, Apl. 1927–Sept. 1927. Per cent. of Average.	Twelve Months, Oct. 1926–Sept. 1927. Per cent. of Average.
Stornoway	91	132	107
Lairg	116	128	121
Tongue	93	133	109
Melvich	96	118	105
Loch More (Achfary)	117	155	132
Wick	113	115	114
Pomona (Deerness)	125	122	123
Dunmanway (The Rectory)	82	94	87
Glanmire (Lota Lodge) No. 1	93	120	104
Mallow (Longueville)	102	115	107
Cahirciveen (Valentia Obsy.)	89	94	92
Killarney (District Asylum)	91	123	103
Waterford (Brook Lodge)	86	114	98
Nenagh (Castle Lough)	95	116	105
Cahir (Abbey)	96	101	98
Foynes (Coolnanes)	110	116	113
Gorey (Courtown House)	113	107	110
Kilkenny Castle	97	105	101
Bagnalstown (Fenagh Ho.)	104	94	99
Abbey Leix (Blandsfort)	101	118	109
Birr Castle	94	110	102
Straffan House	89	123	106
Balbriggan (Ardgillan) No. 1	102	117	109
Kells (Headfort)	92	94	93
Mullingar (Belvedere)	99	103	101
Greenore	106	116	111
Castle Forbes Gardens	100	105	102
Ballynahinch Castle	118	135	125
Ahascragh (Clonbrock)	113	119	115
Blacksod Point	98	115	105
Westport House	119	139	127
Collooney (Markree Observatory)	117	121	119
Belturbet (Cloverhill)	86	105	95
Armagh Observatory	90	113	102
Seaforde	102	108	105
Belfast (Queen's University)	102	118	110
Ballymena (Harryville)	96	109	102
Londonderry (Creggan Reservoir)	118	101	110
Limavady (Drenagh)	107	106	106
Omagh (Edenfel)	89	95	92
Milford (The Manse)	118	111	115
Killybegs (Rockmount)	112	115	114
General Values.* **England**	**109**	**146**	**126**
Wales	**104**	**140**	**119**
England and Wales	**108**	**145**	**125**
Scotland	**105**	**139**	**120**
Ireland	**101**	**111**	**105**
British Isles†	**105**	**135**	**119**

* Obtained by taking the means of the percentage values for the stations. † Including Isle of Man. ‡ For Counties see Table XXI, pp. 115-119.

10. THE TOTAL FALL OF RAIN IN 1927 AND ITS RELATION TO THE AVERAGE.

The total rainfall for the year is given for nearly 5,000 stations in the British Isles, in the General Table which forms Part III of this volume. About 2,000 of these totals have been plotted on a map, on the scale of 19 miles to the inch, and isohyetal lines, or lines of equal rainfall amount, have been drawn upon the map to show cartographically the distribution of the rainfall of the year over the land. A reproduction of this map on a smaller scale is included in this article. Such an annual rainfall map is invariably dominated by the orography of the country to such an extent that not only is it very complicated in itself, but in general appearance it looks very much like most of its predecessors, the differences being noticeable only after detailed examination and comparison. In order to meet this difficulty and incidentally to secure a much simpler representation of the data, the totals for 1927 at a number of stations for which averages exist have been expressed as percentages of those averages, and the percentage values have been plotted on another map. The actual percentage values used will be found in Tables XXI and XXV. The map so obtained is also reproduced herewith. It has been coloured so that blue areas represent regions where the fall in 1927 was more than average, and red areas represent regions where the fall in 1927 was less than average. In other words at places within the blue areas the year was wet *relative to the average fall,* and at places within the red areas it was relatively dry. This map thus represents the character of the year as it would appear to each of our numerous contributing observers, on the supposition that each observer had no knowledge of conditions away from home. The characteristic features of such a map are (a) its comparative simplicity and (b) its general independence of the orography.

The percentage map for 1927 shows by means of continuous lines the places where the values of the rainfall were, respectively, 100, 110, 120, 130, 140 and 150 per cent. of the average values. The areas with an excess were unusually widespread. Deficiencies were confined to small areas in the west of Pembrokeshire, the north-east of Caithness and the south-east of Cork ; and larger areas in the north-west of Scotland, including most of the outer and inner Hebrides, and a broad strip in Ireland from the central Plain to Lough Foyle. The smallest value was 92 per cent. at Omagh, in Co. Tyrone. In Ireland the largest values just exceeded 120 per cent. in the mountains of Connemara. In Scotland large areas, especially in the Central Plain and along the east coast, received more than 120 per cent. Amounts in excess of 130 per cent. were recorded in Aberdeenshire and to the south of the Firth of Forth. In England and Wales the excesses were even more remarkable. In the southern half more than 140 per

cent. of the average fell over two large areas stretching from the Chilterns to the Cotswolds and to the south of the Thames Valley from Basingstoke to Maidstone, as well as locally near St. Leonards, Bromsgrove and Stratford-on-Avon. The fall only exceeded 150 per cent. of the average in the neighbourhood of the Chilterns where 161 per cent. was recorded at High Wycombe.

The fall of 41·58 inches at this station was 15·68 inches above the average of the 35 years 1881–1915, and the largest annual total since the record commenced in 1846. The next largest annual total was 39·78 inches recorded in 1903. The station had been inspected in July, 1923, and found to be satisfactory in every respect. In view of the large total a further inspection was carried out in February, 1928, and there is no doubt that the value should be accepted with confidence.

The percentage map is remarkable for the large areas with more than the average and for the large excesses in the southern half of England. In spite of the general wetness the year was the wettest for the last 60 years only locally near High Wycombe.

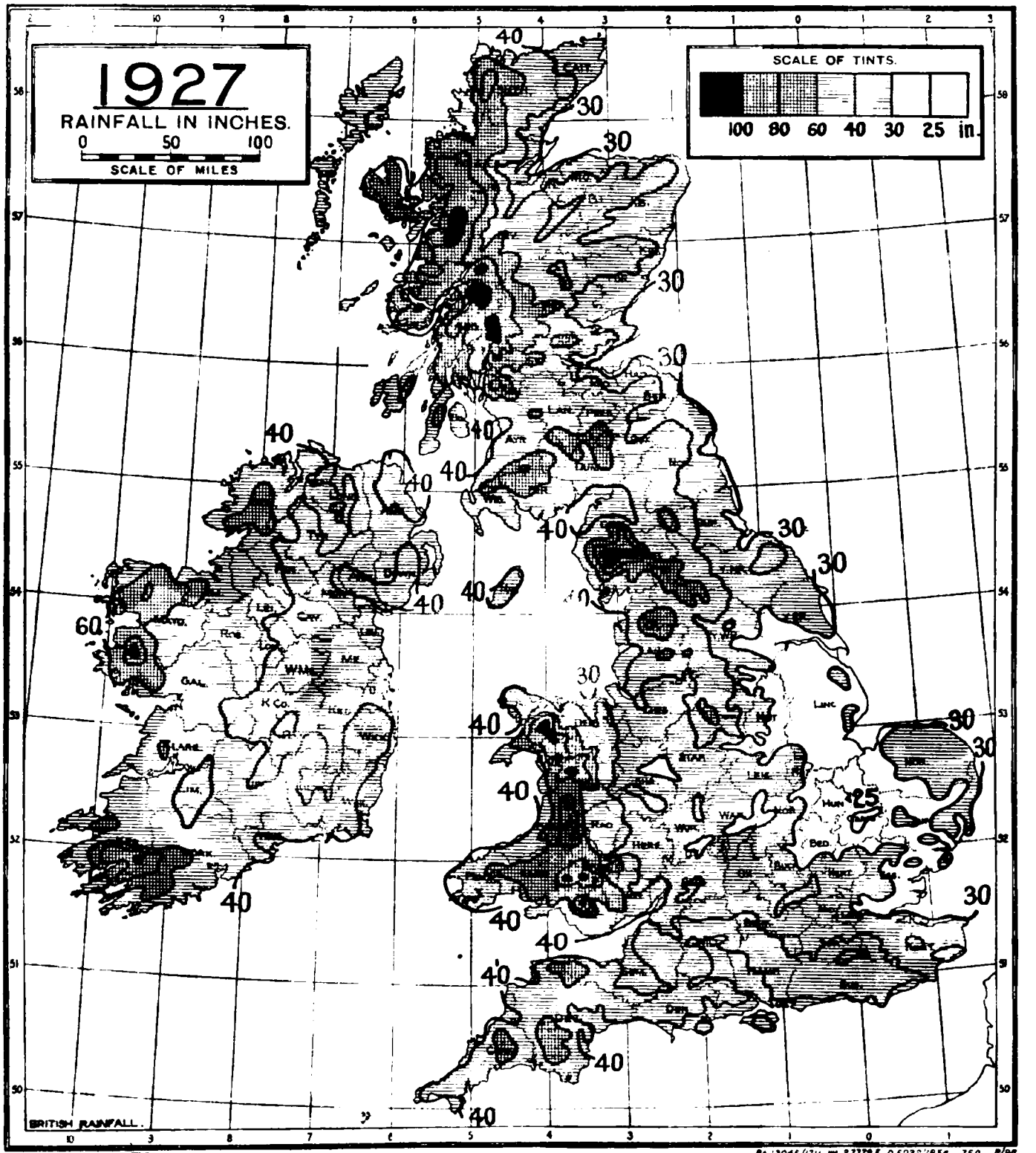
Use is made of the percentage values at the 272 stations of Tables XXI and XXV to derive general values of the total rainfall for the year over the British Isles and over the larger divisions separately. These values are set out in the following table.

TABLE XXIV.—*General Rainfall, 1927, compared with average.*

Countries.	No. of Stations.	Average 35 years 1881-1915.	1927	
			Per cent.	Rainfall.
		in.		in.
England	134	32·67	124	41·0
Wales	26	50·14	117	58·6
England and Wales	160	35·23	123	43·3
Scotland	62	50·32	114	57·4
Ireland	49	43·30	108	46·7
British Isles†	272	41·41	118	48·8

† Including Isle of Man.

For the British Isles, as a whole, the rainfall was 18 per cent. in excess of the average and being slightly greater than that of 1924 was, therefore, the wettest year since 1903, when the rainfall was 127 per cent. of the average. The fall over Ireland, 108 per cent., was not very remarkable, being exceeded in the recent years 1924, 1923, 1920, 1918 and 1916. Scotland with 114 per cent. received more than other recent years except 1923 and 1916. The rainfall in England was more remarkable, being 124 per cent. of the average for that country. An investigation has recently been carried out of the annual



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[Face page 130.]

rainfall over the country generally back to 1727*. Although the annual values are limited to some extent by the scarcity of data for earlier years, and must, therefore, be accepted with some caution, they are the best available. Accepting the figures as they stand, it appears that out of the last 200 years only 8 were wetter in England, *viz.*, 1912, 1903, 1882, 1877, 1872, 1852, 1848, 1768, of which only the three years 1872, 1852 and 1768, with 144 and 137 and 136 per cent., respectively, were markedly wetter than 1927.

The general distribution of the actual rainfall is similar to that for other years. The totals varied from rather less than 25 inches in the neighbourhood of Cambridge to over 100 inches in parts of Wales, the English Lake District, the Western Highlands of Scotland, Kerry and Connemara.

Among the highest totals reported for the year and set out in the General Table, Part III, the following may be mentioned :

	Inches.
England :—Westmorland, Mickleden	137·17
Wales :—Carnarvon, Snowdon (Crib Goch) ..	198·87
Scotland :—Inverness, Loch Quoich (Loan) ..	122·75
Ireland :—Kerry, Kilgarvon (Inchamore) ..	107·62

The historic records from the English Lake District at Seathwaite and the Stye are, unfortunately, incomplete for the year, otherwise they would undoubtedly have headed the list for England. The rainfall at Seathwaite has been estimated at 150 inches.

No striking cases of low annual values are reported, in fact, in Wales and Ireland no station recorded less than 29 inches. Some of the lowest values are shown below :

	Inches.
England :—Cambridge (Cherryhinton) ..	22·73
Scotland :—Ross, Fearn (Geanies)	24·66

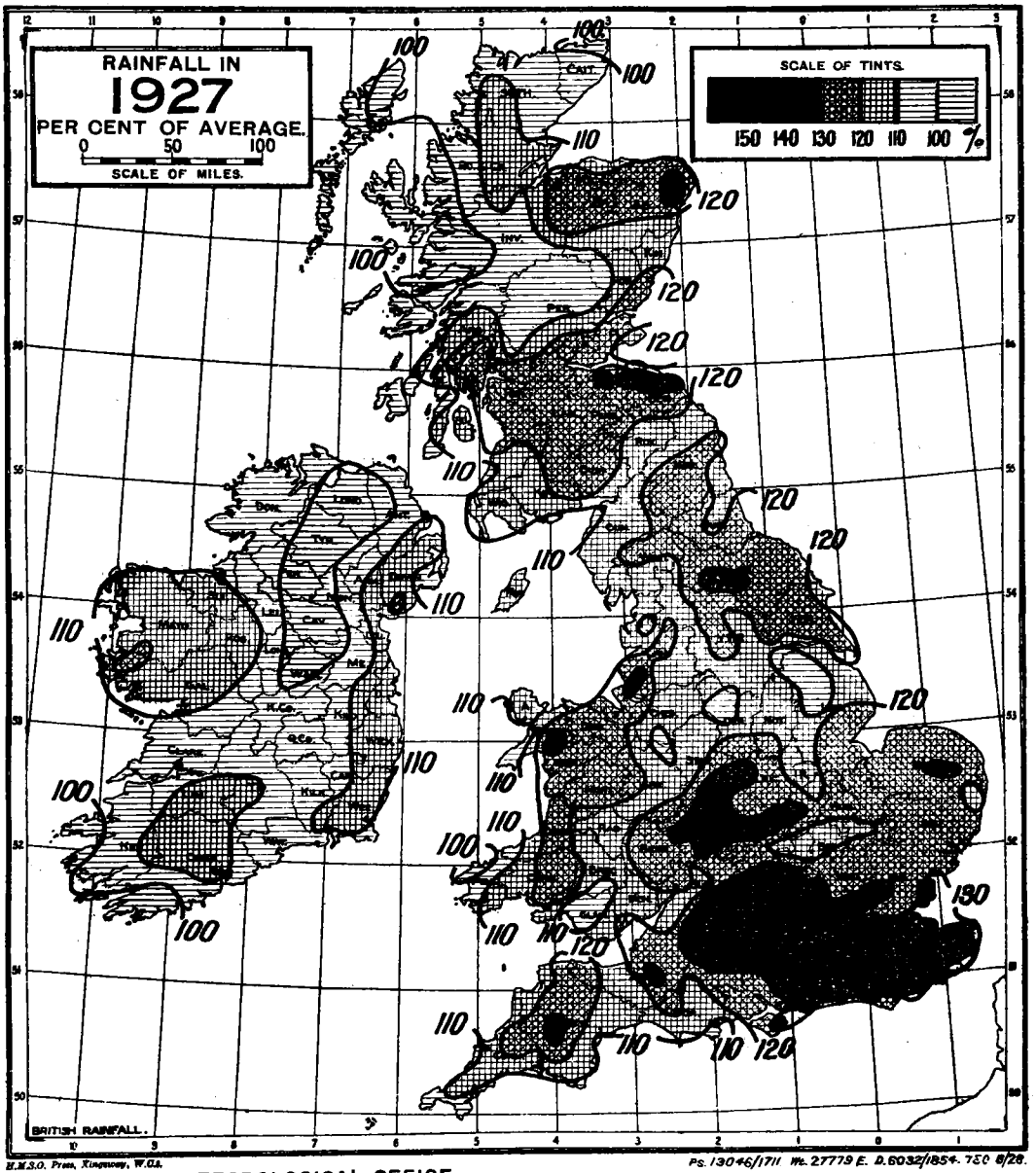
* "Two Centuries of Rain," by J. Glasspoole, *Meteor. Mag.*, London, Feb., 1928. An abstract is printed in Part I of this volume.

Table XXV.—*Rainfall of* 1927 *as Percentage of Average,* 1885-1915.*

County.	Station.	Per cent. of Aver-age.	County.	Station.	Per cent. of Aver-age.
	ENGLAND.		YorksW.R.	Wakefield (Clarence Park) ...	120
Surrey ...	Reigate (The Knowle)	143	,,	Malham Tarn	120
Kent	Folkestone (Cherry Gardens) .	137	,, E.R.	Patrington	127
,, ...	Rochester (Knights Place)....	131	,,	Lowthorpe (The Elms)	122
Sussex ...	Yapton (Bonhams)	127	,, N.R.	Malton (Broughton Rise)	128
,, ...	Horsham (Wimblehurst)	141	,,	Guisborough (Lockwood Res.)	129
,, ...	St. Leonards (Gensing Gardens)	145	Durham ..	Barnard Castle (County Schl.)	122
Hampshire	Totland Bay (Aston House) ..	121	,, ..	Ushaw (St. Cuthbert's College)	112
,,	Portsmouth (Victoria Park) ..	122	North'ld...	Morpeth (Cockle Park)	112
,,	Ovington Rectory	136	,, ..	Howick Hall	122
Berkshire .	Wellington College	127	Cumberl'd.	Penrith (Briar Cottage)	119
,, .	Newbury (Greenham Common)	139	,,	Ravenglass (The Grove).....	113
Hertford .	Harpenden (Rothamsted)	124	Westmorl'd	Kirkby Stephen (Redman Ho.)	115
Oxford ...	Middleton Park	135	,,	Grasmere (The Wray)	114
N'hants...	Wellingborough (Swanspool)..	132		**WALES.**	
,, ..	Oundle (Milton Road)	117	Monmouth	Tredegar	105
Bedford...	Woburn (Crawley Mill)	116	,,	Monmouth (Pentwyn)	126
Cambridge	Stretham Engine	126	Glamorgan	Gorseinon (Penllergaer)	113
Essex.....	Elsenham (Gaunts End)	123	Carmarth'n	Llanwrda (Dolaucothy)	128
,, ...	Bradwell-on-Sea	131	Pembroke	Pembroke (Stockpole Court) .	111
,, ...	Earls Colne (Chalkney Ho.)...	127	,,	St. Ann's Head	104
Suffolk ...	Rendlesham Hall	125	,,	Fishguard(Langton,Dwrbach)	96
,, ...	BurySt.Edmunds(Westley Ho.)	125	Radnor...	New Radnor	119
Norfolk...	Norwich(Christ Ch. Rd.,Eaton)	139	Montgom'y	Newtown (Penarth Weir)	127
,, ...	Wells (Holkham Hall)	123	Denbigh ..	Wrexham (Pack Saddle Res.)	127
Wiltshire..	Landford (Northlands)	126	,, ..	Denbigh (Garn)	126
,, ..	Marlborough College	143	Merioneth	Corwen (Rûg Gardens)	121
Dorset ...	Bere Regis (Bloxworth House)	117	Anglesey .	Llanerchymedd (Llwydiarth Esgob)	115
,, ...	Beaminster (Hamilton Lodge).	115		**SCOTLAND.**	
Devon S...	Plymouth (The Hoe)	115	Dumfries..	Langholm (Ewes)	108
,, ..	Sidmouth (Sidmount)	112	Roxburgh	Kelso (Springwood Park).....	113
,, N. ..	Okehampton (Uplands)	134	Midlothian	Moorfoot Hills (Gladhouse Res.	124
,, ..	Torrington (Enfield)	120	Lanark ...	Hamilton W.W. (Townhill) ..	128
Cornwall .	Newquay (Mount Wise)	106	Ayr	Maybole(Culzean Castle Gdns.)	121
,, ..	Falmouth Observatory.....	102	Bute	Rothesay (Ardencraig)	122
,, ..	Tresco Abbey.....	103	Argyll	Loch Sunart (Glenborrodale) .	101
Somerset..	Batheaston Reservoir	143	,, ...	Corran Lighthouse	105
,, ..	Street (Millfield)	133	,, ...	Mull of Kintyre	98
,, ..	Milverton (Spring Grove).....	118	Perth	Glengyle.....	102
Gloucester	Cheltenham (Montpellier Gns.)	119	,, ...	Perth (Wellshill Cemetery) ...	111
,,	Clifton College	119	Forfar	Kirriemuir (Lintrathen)	102
Hereford .	Hereford (Belmont Abbey) ...	123	Aberdeen .	Ellon (Esslemont House)	132
Shropshire	Shifnal (Hatton Grange)	112	Banff	Keith Station.....	126
Stafford...	Leek (Wall Grange)	118	Inverness .	Alvie Manse	127
Worcester	Stourport (Lincombe Lock)...	129	,, .	Loch Ness (Foyers)	103
,,	Blockley (Upton Wold)	127	,, .	Loch Quoich (Glenquoich) ...	99
Warwick .	Ryton-on-Dunsmore(RytonHo)	129	Ross	Strathpeffer	114
Leicester .	Kibworth Beauchamp	125		**IRELAND.**	
,, ..	Thornton Reservoir	131	Cork	Cork (University College)	115
Lincoln ...	Spalding (Pode Hole)	125	,, ...	Midleton (Ballinacurra)	106
,, ...	Skegness	121	Waterford.	Portlaw (Mayfield)	105
,, ...	Louth (Westgate)	111	Wexford ..	Foulkesmill (Longraigue)	120
,, ...	Brigg	106	Carlow....	Hacketstown Rectory.....	116
Nottingh'm	Southwell (Elmfield)	112	Dublin....	Dublin (Phœnix Park)	122
,,	Worksop (Hodsock Priory) ...	116	W'meath. .	Athlone (Twyford House)	109
Derby	Buxton (Devonshire Hosp.) ..	109	Roscomm'n	Strokestown (Castlenode)	118
Cheshire ..	Runcorn (Weston Point)	126	Mayo	Delphi Lodge	108
,, ..	Woodhead Reservoir	114	,, ...	Ballinrobe (Creagh).....	117
Lancs. C...	Burnley (Swindon) *Lower g.* ..	115	Armagh ..	Lurgan (Belle Vue).....	106
,, ..	Wigan W.W. (Worthington) ..	133	Down	Newry (Bridge Street House)	113
,, N...	Barrow-in-Furness (GasWorks)	138	,, ...	Donaghadee (Coastguard Stn).	113
,, ..	Blackpool (Met. Observatory).	110	,, ...	Banbridge (Milltown).....	114
YorksW.R.	Slaidburn (Dunsop Houses) ..	119			
,,	Goole	109			

* See also Table XXI, pp. 115-119.

RELATION OF RAINFALL IN 1927 TO THE AVERAGE OF 1881-1915.



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AIR MINISTRY, METEOROLOGICAL OFFICE.

The area coloured Red had rainfall below the average, that coloured Blue had rainfall above the average.

[Face page 132]

II.—EVAPORATION AND PERCOLATION IN 1927.

The *evaporation gauges* in use are square tanks sunk in the ground, and the evaporation which is measured is that from a free water surface. The standard gauge at Camden Square is 6 ft. square and 2 ft. deep, and is sunk so that the lip projects about 3 inches. The routine consists of the daily measurement of the level of the water below a mark fixed to the tank. From the difference between consecutive daily measurements is deducted the rainfall for the same period as measured in an adjacent raingauge. The net depression of the water-level in the tank during the interval of 24 hours is taken to be a measure of the evaporation. Sometimes in winter the " evaporation " comes out as a small negative quantity ; this is regarded as due to the condensation of water from the superincumbent air, and the corresponding measurements are marked " C " in the tables. So far as is practicable, the level of the water is kept about 2 to 3 inches below the top of the lip. This necessitates water being added in summer and syphoned off in winter. During the winter months, there is some difficulty in getting a reading when the water freezes. In such cases the ice is broken away from the sides of the tank and the measurement of the water-level is made while the ice is floating. If this cannot be done any morning, owing to the thickness of the ice, a measurement is made as soon as possible (on a subsequent morning), and the amount of evaporation calculated over the whole period. The evaporation is small in winter, so that little information is lost by adopting this procedure.

The accuracy of the measurements of evaporation depend on the depth of water caught as rain in the evaporation tank being identical with that measured directly in the rain-gauge alongside.

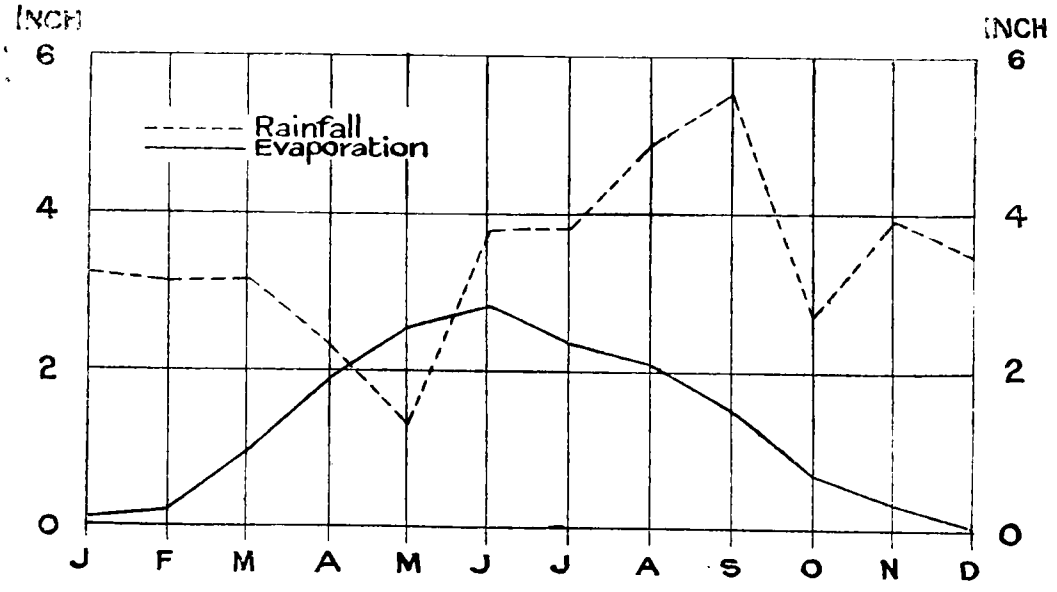
Some of the factors which are likely to vitiate the measurements of evaporation were discussed in *British Rainfall,* 1925, pp. 127-128.

The list of stations given in Table XXVI, for which details of the evaporation are available for 1927, is the same as last year, except that no values are available in the case of Edinburgh.

The evaporation from a free water surface at each station shows a well-marked seasonal variation. The amount is large in the six summer months, April to September, and much smaller in the remaining months of the year. During 1927 most stations recorded less evaporation than usual, this being associated with the marked lack of sunshine during the year.

The monthly and annual means for the twelve stations are set out in the last column. For the year the mean evaporation is 15·50 inches, of which 13·05 inches or 84 per cent. of the total was evaporated in the six summer months. There is a fairly uniform change from a maximum in June to a minimum in December and January. The mean monthly values are shown in the diagram along with the general values for the rainfall of England taken from Table XIX.

GENERAL MONTHLY MEANS OF EVAPORATION AND RAINFALL.



The evaporation from a free water surface during 1927 shows a maximum rather earlier in the year than is usually the case. This is in accord with the fact that July was particularly dull, and the late summer one of the most unseasonable on record. The differences between the monthly values of rainfall and evaporation give an indication of the amount of water available for underground storage and the maintenance of streams. The rainfall was about equal to the evaporation from a free water surface during April, May and June, but at other times of the year the rainfall was markedly in excess. The unusual wetness of August and September is apparent from the diagram.

The monthly evaporation values for the 43 years, 1885 to 1927, at Camden Square are set out in Table XXVIII. For 1927 the evaporation of 13·52 inches was 1·98 inches less than the average for the 35 years and the smallest in the series with only five exceptions. The only year of the last 33 with a smaller evaporation was 1920 with 13·46 inches. The evaporation for 1927 was rather less than that of 1926, and the two years together give the lowest values since those of 1890 and 1891. In each year since the dry year, 1921, the evaporation has been less than the average. May was the only month of 1927 in which the evaporation was appreciably in excess of the average, while in June, August, September and October the evaporation was markedly less than the average for those months.

In Table XXVII the amount of water which percolates through a definite depth of soil is given. Details of the gauges and the type of soil are set out in the footnotes and in *British Rainfall*, 1924, p. 128.

The difference between percolation and rainfall is largely to be accounted for by evaporation, but evaporation as determined in this way (known as " calculated evaporation ") is not strictly comparable with that given in the earlier table. There is no free water surface present in the percolation gauge, but during dry periods the surface soil is nearly dry, so that practically no evaporation can take place.

The occurrences of months with no percolation were fewer than usual, and were confined mainly to the early months of the year April, and May. At most stations there was sufficient rainfall to produce appreciable percolation as early as July, and subsequently each month showed large amounts of percolated rainfall. This is in substantial agreement with the results seen from the diagram to which reference has already been made.

The values of percolation, like the rainfall, are much more erratic from month to month than the corresponding figures for the evaporation.

Table XXVI—*Evaporation in* 1927.

List of Stations.	County.	Observer.	Particulars of Tank. Height above Ground.	Height above Sea Level.	Side.	Capacity.
			ft. in.	ft. in.	ft. in.	Gals.
Camden Square	London 2	Royal Meteor. Soc. ..	0 3	111	6 0	450
Otterbourne ..	Hampshire 5	E. C. Rodda, Esq. ..	0 3	112	6 0	450
Petersfield	,, ...6	C. J. P. Cave, Esq. ..	0 3	747	4 0	250
Ormesby St. M.	Norfolk 2	Gt. Yarmouth W.W.	0 3	21	6 0	450
Kennick	South Devon 5	S. C. Chapman, Esq.	0 3	835	6 0	450
Revesby	Lincoln 3	T. Henry Tyson, Esq.	0 6	124	6 0	450
Southport	Cen. Lancashire..3	J. Baxendell, Esq. ..	0 3	37	3 0	112
Ardsley, No. 1	Yorkshire, W.R. 8	C. C. Smith, Esq. ..	0 3	395	6 0	450
,, No. 2	,, ,, 8	,,	0 3	326	6 0	450
Lower Laithe..	,, ,, 9	M. R. Barnett, Esq...	0 6	772	6 0	450
Harrogate	,, ,, 11	A. S. West, Esq.	0 3	589	6 0	450
Talla Water ..	Peebles 1	Messrs. Leslie & Reid	0 3	904	6 0	450

1927.	Camden Square.	Otterbourne.	Petersfield.	Ormesby St. Michael.	Kennick.	Revesby.	Southport.
	in.	in.	in.	in.	in.	in.	in.
January.....	·05	·14	·23	·26	·30	·09	·11
February.....	·19	·35	·24	·27	·26	·26	·12
March	·65	1·37	1·11	·96	1·13	1·01	·91
April	1·45	2·37	1·94	1·68	2·22	1·62	1·82
May	2·91	3·34	2·66	2·58	3·28	2·13	2·42
June.....	2·64	3·50	2·68	2·52	3·43	2·31	3·39
July	2·01	2·54	1·88	2·47	2·65	2·03	2·49
August.....	1·75	2·26	2·02	2·34	2·56	2·00	2·06
September.....	1·08	1·42	1·22	1·64	1·51	1·40	1·48
October	·37	·69	·59	·79	·64	·73	·74
November	·29	·43	·34	·46	·49	·54	·27
December	·13	·29	·24	·11	c ·58	·27	·30
Year.....	13·52	18·70	15·15	16·08	17·89	14·39	16·11
Average, 1908–1927	15·09	19·51	..	..	18·66	14·53	..
Difference	— 1·57	— ·81	..	..	— ·77	— ·14	..

1927.	Ardsley. No. 1.	Ardsley. No. 2.	Lower Laithe.	Harrogate.	Talla Water.	Mean of 12 Records
	in.	in.	in.	in.	in.	in.
January.....	·20	·11	c ·12	·39	·16	·16
February.....	·19	·10	c ·04	·34	·12	·20
March	1·02	·82	·69	1·17	·76	·97
April	1·88	1·67	1·77	2·30	1·09	1·82
May	2·41	2·15	2·09	2·67	2·00	2·55
June.....	2·76	2·48	2·83	3·09	2·22	2·82
July	2·44	2·39	2·08	2·73	2·74	2·37
August.....	1·84	1·72	1·57	2·45	2·11	2·05
September.....	1·60	1·47	1·13	2·18	1·02	1·44
October	·64	·53	·44	1·30	·42	·66
November	·37	·23	·17	·65	·21	·37
December	·18	·15	c ·24	·15	(·10)	·09
Year.....	15·53	13·82	12·37	19·42	12·95	15·50
Average, 1908–1927.....	17·23	..	..	19·05	16·09	..
Difference	— 1·70	..	..	+ ·37	— ·14	..

NOTE.—In the Table c indicates an excess of condensation over evaporation.

Table XXVII—*Rainfall, Percolation and Calculated Evaporation in* 1927.

(Unless otherwise stated the size of the percolation gauges is 3ft. × 3ft. × 3ft.)

1927.	Compton, Sussex.		Grayshott, Hants.	
	Rainfall.	Percolation.	Rainfall.	Percolation.
	in.	in.	in.	in.
January	2·87	2·16	2·76	2·22
February	5·10	4·95	5·54	5·42
March	3·60	2·52	4·63	3·69
April	2·54	2·85	2·27	2·92
May	1·51	·00	·88	·01
June	4·43	·00	3·79	·00
July	3·93	·53	3·47	1·54
August	4·79	2·19	4·74	3·33
September	7·18	4·19	6·91	4·52
October	3·50	3·03	2·66	2·44
November	3·96	4·11	4·60	4·50
December	5·45	4·33	5·86	5·00
Year	48·86	30·86	48·11	35·59
Calculated Evaporation	..	18·00	..	12·52

1927.	¶ Rothamsted, Herts.				¶ Craibstone, Aberdeen.			
	Rainfall.	Percolation.**			Rainfall.	Percolation. §		
		20 in. Soil.	40 in. Soil.	60 in. Soil.		1 * 40 in. Soil.	2 † 40 in. Soil.	3 ‡ 40 in. Soil.
	in.	in.	in.	in.	in.	in.	in.	in.
January	2·17	1·87	2·00	1·84	1·97	1·67	1·67	1·65
February	3·67	3·43	3·63	3·50	1·97	1·40	1·17	1·18
March	2·09	·96	1·11	1·04	2·93	2·08	1·94	1·70
April	1·70	1·21	1·59	1·48	2·77	1·31	1·24	·90
May	1·09	·00	·02	·02	2·71	·60	·67	·46
June	3·23	·75	·74	·72	3·16	·77	·67	·53
July	2·91	1·65	2·07	1·89	2·17	·24	·19	·06
August	4·01	1·85	2·10	1·97	2·58	·30	·03	·00
September	5·02	3·70	3·90	3·82	6·50	3·04	2·73	2·25
October	1·85	1·27	1·41	1·34	4·63	3·10	2·69	2·10
November	2·64	2·34	2·68	2·37	4·27	4·32	4·07	3·55
December	2·78	2·46	2·85	2·76	3·43	2·73	2·67	2·27
Year	33·16	21·49	24·10	22·75	39·09	21·56	19·74	16·65
Calculated Evaporation	..	11·67	9·06	10·41	..	17·53	19·35	22·44

** Through bare unworked soil. § The gauges were under swedes. * Unmanured.
† Manured. ‡ Manured and limed. ¶ Area of gauges one thousandth of an acre.

Table XXVIII.—*Evaporation at Camden Square*, 1885-1927.

	Jan. in.	Feb. in.	Mar. in.	April. in.	May. in.	June. in.	July. in.	Aug. in.	Sept. in.	Oct. in.	Nov. in.	Dec. in.	Total. in.
1885	·20	·38	·86	1·71	1·98	2·77	3·29	2·25	1·13	·77	·17	·11	15·62
1886	·23	·13	·53	1·59	1·78	2·93	3·12	1·86	1·46	·63	·27	·12	14·65
1887	c·07	·29	·76	1·72	1·79	3·68	3·76	2·54	1·25	·78	·21	·07	16·78
1888	·07	·37	·48	1·16	2·71	2·24	1·44	1·90	1·17	·60	·43	·03	12·60
1889	·03	·18	·62	1·07	1·76	2·97	2·34	1·96	1·52	·42	·29	c·13	13·03
1890	·08	·19	·50	1·44	2·63	2·14	2·33	2·02	1·27	·79	·31	·04	13·74
1891	·03	·16	·73	1·35	1·66	2·83	2·34	1·67	1·00	·62	·20	·22	12·81
1892	·05	·09	·60	1·88	2·65	3·05	2·84	2·20	1·01	·36	·02	·20	14·95
1893	c·03	·01	·92	2·33	3·06	3·62	3·12	2·85	1·48	·70	·11	·01	18·18
1894	c·04	·28	·83	1·17	2·10	2·48	2·49	1·91	·97	·37	·20	·11	12·87
1895	·14	·64	·36	1·26	3·06	3·31	3·07	2·12	1·27	·54	·19	·07	16·03
1896	·16	·24	·64	1·57	3·06	3·21	3·63	1·96	·68	·47	·18	·00	15·80
1897	·23	·21	·76	1·23	2·99	2·48	3·60	2·49	·99	·63	·26	c·14	15·73
1898	·19	·37	·51	1·28	1·56	2·10	2·96	2·53	1·73	·45	·11	·16	13·95
1899	·04	·28	·52	1·24	2·34	3·67	4·03	3·78	2·01	·45	·41	·11	18·88
1900	·03	·16	·80	1·46	2·35	2·85	4·25	2·61	1·61	·89	·24	·15	17·40
1901	·13	·24	·60	1·98	3·25	3·85	3·37	3·19	1·42	·64	·31	c·05	18·93
1902	·16	·15	·71	1·75	1·78	2·33	3·30	1·71	1·47	·69	·28	·27	14·60
1903	·26	·39	·97	1·57	2·24	2·79	3·35	2·53	1·51	·86	·29	·12	16·88
1904	c·09	·26	·54	1·68	1·81	3·32	4·06	2·86	1·20	·50	·26	·02	16·42
1905	·17	·35	·65	1·14	3·19	2·49	3·65	2·23	1·24	·78	·09	·16	16·14
1906	·06	·21	·73	1·90	1·90	3·53	3·65	3·46	2·38	·78	·27	·16	19·03
1907	·21	·38	1·02	1·27	1·93	2·47	2·65	2·24	1·72	·49	·27	·19	14·84
1908	·05	·27	·56	1·32	2·23	3·77	2·75	2·47	1·25	·48	·29	·14	15·58
1909	·14	·30	·30	1·85	2·93	1·70	2·60	2·23	·84	·76	·17	·16	13·98
1910	·22	·17	·80	1·43	2·52	2·57	2·00	2·12	1·42	·76	·19	·10	14·30
1911	·15	·32	·59	1·77	2·58	3·34	4·60	3·19	1·96	·64	·37	·02	19·53
1912	·24	·16	·79	2·34	2·44	2·49	2·55	1·69	1·41	·39	·33	·12	14·95
1913	·10	·32	·77	1·25	2·49	3·13	2·15	2·09	1·07	·61	·36	·32	14·66
1914	·09	·24	·52	1·84	2·56	2·93	2·72	1·99	1·68	·70	·28	·05	15·60
1915	·11	·13	·66	1·65	2·90	3·15	2·50	1·76	1·61	·56	·25	c·03	15·25
1916	·19	·34	·30	1·61	2·32	2·20	2·23	2·34	1·20	·76	·34	c·04	13·79
1917	·11	·17	·53	1·18	3·06	3·01	2·81	1·95	1·16	·75	·34	·12	15·19
1918	·14	·27	·85	·89	2·38	3·01	2·59	2·04	1·69	·40	·24	·16	14·66
1919	c·12	·13	·66	1·06	2·94	3·39	1·90	2·78	1·53	·61	·08	·06	15·02
1920	·20	·24	·78	·85	2·71	2·85	2·09	2·00	1·04	·66	·04	·00	13·46
1921	·20	·28	·96	1·91	3·04	3·66	4·17	2·56	1·72	·72	·19	·28	19·69
1922	·16	·31	·96	1·20	2·93	3·36	2·09	1·74	1·11	·66	·27	·14	14·93
1923	c·01	·16	·65	1·26	2·16	2·16	3·59	2·79	1·24	·73	·24	·02	14·99
1924	c·17	·28	·73	1·28	2·27	2·91	3·21	1·82	1·11	·59	·33	·11	14·47
1925	·12	·30	·83	1·30	2·34	3·48	2·61	1·58	1·01	·56	·37	·00	14·50
1926	c·03	·12	1·03	1·06	2·07	2·50	2·51	2·12	1·34	·74	·20	·05	13·71
1927	·05	·19	·65	1·45	2·91	2·64	2·01	1·75	1·08	·37	·29	·13	13·52
Average 1885–1919 ..	·10	·25	·66	1·51	2·43	2·91	2·97	2·33	1·38	·62	·25	·09	15·50
Difference 1927	—·05	—·06	—·01	—·06	+·48	—·27	—·96	—·58	—·20	—·25	+·04	+·04	—1·98

NOTE.—c indicates condensation.

METEOROLOGICAL OFFICE, AIR MINISTRY.

BRITISH RAINFALL ORGANIZATION.

BRITISH RAINFALL, 1927.

PART III.

GENERAL TABLE

OF

TOTAL RAINFALL IN 1927

AT

STATIONS

IN

GREAT BRITAIN AND IRELAND

WITH THE NAMES OF

THE OBSERVERS

OR OTHER AUTHORITIES FOR THE OBSERVATIONS.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

GENERAL TABLE OF TOTAL RAINFALL IN 1927.

EXPLANATORY NOTE.

The Divisions of Great Britain in the General Table are the same as those adopted by the Registrars-General of England and Scotland.

The counties are divided up into numbered areas, corresponding to the river-basins. An account of these river-divisions for England and Wales was given in a special article in Part I of *British Rainfall*, 1910 (pp. 37-66), and a similar article on the river-divisions of Scotland and Ireland appeared in Part I of *British Rainfall*, 1911 (pp. 40-72), with detailed maps showing all the river-divisions in each Division. Reprints of these articles are available. The areas of the river basins of the Ouse and tributaries in Norfolk and Cambridge have been redetermined; the values now printed differ slightly from those published in *British Rainfall* since 1910. The sequence of river divisions in Great Britain proceeds anti-clockwise from the Solway Firth. For example, in the West Riding of Yorkshire we have four divisions for rivers flowing to the Irish Sea, followed by eight divisions for rivers tributary to the Humber.

The stations in each river-division are arranged nearly in the order of their latitude from South to North. For convenience, the first name defining a station is that of a place which can be found on any large scale map; occasionally it is in an adjoining county. The second name is added to fix the site of observation more closely, *e.g.*, "Haslemere (Clammer Hill)" means Clammer Hill, near Haslemere.

In some cases the records have been received from a local rainfall organization. This has been indicated by a footnote.

In the column headed "Diameter," figures in old style type indicate the length of the sides of rectangular gauges.

The letter D signifies that daily observations have been received and are complete for the year; d, that less complete daily records have been received; w indicates that weekly readings have been received, and M that the gauge is read only once a month, usually on the 1st.

(R) denotes that the gauge is a mechanical one, the correct reading of which depends on the mechanism being in working order.

(A) denotes that the amount of rainfall is taken from the chart of an autographic instrument.

(+A) denotes that the amount of rainfall is taken from an ordinary gauge and that an autographic instrument is also in use.

Where two or more gauges are maintained at the same station the comparison of the records is seldom of general interest. The rule has now been adopted that in such cases only one record will be published in *British Rainfall*. The use of mechanical gauges for measuring the total rainfall is not recommended by the Meteorological Office, and the number of records marked (R) or (A) is therefore small.

Gauges which have been recently inspected and found to be over-exposed on moorland have been so marked. It is likely that there are other gauges (notably some of those at lighthouses) which are also over-exposed.

The column for the total rainfall in millimetres, which was a feature of the corresponding table in the volumes for the years 1914 to 1925, has been omitted since 1926, and the space thus set free is devoted to a column for average annual totals, expressed in inches, to the nearest tenth of an inch. These averages do not all refer to a single period of time and they are not necessarily therefore strictly comparable with one another. The rule which has been adopted is that all available averages are admitted to this table (*a*) which are derived from reliable observations extending over a period of at least 20 years; (*b*) which, after critical examination of available records have been reduced by the accepted method to the standard period of 35 years, 1881—1915. Averages for this standard period, if available, are always preferred for entry in the table.

A few entries of total rain will be found in brackets—indicating that the values have been corrected, *e.g.*, when snow has been lost, when the amount for a short period has been computed from other records, or when the gauge has been moved a short distance during the year. A record is not as a rule printed if the gauge has been moved more than a mile, or if there is a greater difference than 50 ft. of altitude between the two positions.

A note of interrogation (?) implies doubt, not necessarily error. The absence of information is indicated by ..

COUNTY INDEX TO GENERAL TABLE.

ENGLAND.

Bedford	165	Hereford	185	Oxford	163
Berkshire	158	Hertford	160	Rutland	191
Buckingham	162	Huntingdon	165	Shropshire	186
Cambridge	166	Kent	149	Somerset	180
Cheshire	195	Lancashire	196	Stafford	187
Cornwall and Scilly	178	Leicester	190	Suffolk	169
Cumberland	211	Lincoln	191	Surrey	145
Derby	193	London	144	Sussex	152
Devon	174	Middlesex	159	Warwick	189
Dorset	173	Monmouth	213	Westmorland	212
Durham	209	Norfolk	170	Wiltshire	171
Essex	167	Northampton	164	Worcester	188
Gloucester	183	Northumberland	210	Yorkshire	201
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Anglesey	223	Carnarvon	222	Merioneth	221
Brecon	217	Denbigh	220	Montgomery	219
Cardigan	216	Flint	220	Pembroke	216
Carmarthen	215	Glamorgan	214	Radnor	219

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SCOTLAND.

Aberdeen	241	Fife	236	Orkney	246
Argyll	234	Forfar	240	Peebles	227
Ayr	231	Haddington	228	Perth	237
Banff	242	Inverness	243	Renfrew	232
Berwick	227	Kincardine	240	Ross and Cromarty	244
Bute	234	Kinross	236	Roxburgh	226
Caithness	246	Kirkcudbright	225	Selkirk	227
Clackmannan	236	Lanark	230	Shetland	246
Cromarty and Ross	244	Linlithgow	229	Stirling	233
Dumbarton	233	Midlothian	228	Sutherland	245
Dumfries	226	Moray or Elgin	242	Wigtown	225
Elgin or Moray	242	Nairn	242		

IRELAND.

Antrim	257	Kerry	248	Monaghan	255
Armagh	256	Kildare	251	Queen's County	251
Carlow	251	Kilkenny	250	Roscommon	254
Cavan	255	King's County	251	Sligo	254
Clare	249	Leitrim	255	Tipperary	248
Cork	247	Limerick	249	Tyrone	258
Donegal	258	Londonderry	257	Waterford	248
Down	256	Longford	253	Westmeath	253
Dublin	252	Louth	253	Wexford	250
Fermanagh	255	Mayo	254	Wicklow	250
Galway	253	Meath	252		

ENGLAND AND WALES.

DIVISION I.—LONDON. (Area, 117 sq. mi.)

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with .01 in. or more.	Days with .04 in. or more.
1.—THAMES.—Right Bank Tributaries. 67. sq. mi.		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
BERMONDSEY.								
D Southwark Park	London County Council	5	1 0	9	..	32·83	165	129
LAMBETH.								
D Brockwell Park	London County Council	5	1 0	120	..	32·33	189	133
d Brixton Hill Reservoir	Met. Water Board	5	1 1	121	..	32·08	181	131
BATTERSEA.								
D Battersea Park	London County Council	5	1 0	13	..	32·12	172	126
D Battersea Waterworks	Mr. F. J. Goldsworthy	5	1 0	6	22·6	31·07	169	133
WANDSWORTH.								
D Streatham (Conyers Road)	Met. Water Board	5	1 6	119	23·6	32·46	182	128
d Streatham Hill Reservoir	Met. Water Board	5	1 0	205	..	31·68	181	138
D Putney Heath Reservoir	Met. Water Board	5	1 6	180	24·9	29·99	191	134
D Balham High Road (+A)	E. J. Elford, Esq., C.E.	5	1 6	89	..	33·16	172	131
D Wandsworth Common	L. Parmee, Esq.	5	1 0	100	..	31·72	167	125
D Southfields(CoronationGds)(+A)	E. J. Elford, Esq., C.E.	5	1 6	37	..	31·98	174	131
D Southfields (Wincanton Rd.)	A. T. Bench, Esq.	5	1 2	50	..	33·88	185	141
D Larkhall Rise	Guy M. Quiller, Esq.	5	1 1	55	..	31·58	164	125
D Clapham Com. (Bromfelde Rd.)	H. N. Prentice, Esq.	5	1 2	46	22·9	29·46	149	124
CAMBERWELL.								
d Sydenham Hill (The Chestnuts)	Mrs. E. H. Goad	5	0 9	315	..	31·05	..	..
D Nunhead (Nunhead Reservoir)	Met. Water Board	5	1 0	175	23·1	29·87	167	126
DEPTFORD.								
D Telegraph Hill	London County Council	5	1 0	135	..	29·27	171	124
D Waterworks	Met. Water Board	5	1 0	20	23·0	29·35	166	127
GREENWICH.								
D Deptford Pumping Station (+A)	London County Council	8	1 0	18	24·9	27·90	154	122
D Royal Observatory	Sir F. W. Dyson, F.R.S.	8	0 5	149	23·5	29·34	192	125
D Westcombe Park Road	Rev. T. R. Price	8	1 3	154	..	30·03	182	126
LEWISHAM.								
D Forest Hill Reservoir	Met. Water Board	5	1 3	337	25·9	34·36	201	148
D Clarendon Road	G. E. Dacey, Esq.	5	1 0	98	..	33·07	210	138
WOOLWICH.								
D Eltham (High Street)	Met. Water Board	5	1 0	245	24·3	28·99	155	127
2.—THAMES.—Left Bank Tributaries. 50 sq. mi.								
KENSINGTON.								
D Harley Gardens	Mrs. Hamlyn Price	5	0 5	29	..	33·08	178	139
D Holland House	Mr. P. B. Rintoul	5	2 6	69	24·9	35·92	166	128
D Cam House	Rt. Hon. Lord Phillimore	5	3 0	100	..	34·94	159	128
D Campden Hill Reservoir	Met. Water Board	5	1 0	142	27·5	32·73	163	125
D Kensington Palace (+A)	The Meteorological Office	8	1 0	80	..	35·01	185	131
HAMMERSMITH.								
D The Creek	London County Council	5	3 0	19	..	32·68	168	136
FULHAM.								
D Hammersmith Cemetery	R. J. Brown, Esq.	5	1 0	17	..	32·45	153	125

DIVISION I.—LONDON—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
	2.—THAMES—Left Bank Tributaries—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	CHELSEA.								
D	Physic Garden	W. Hales, Esq.	5	1 0	20	23·8	31·76	172	134
D	Oakley Street	A. Hampton Brown, Esq.	5	1 0	25	..	31·46	177	131
D	St. Luke's Gardens	W. R. Manning, Esq., C.E.	5	1 0	25	24·9	30·02	175	127
	WESTMINSTER.								
D	Western Pumping Station	London County Council	8	1 0	19	23·5	29·69	164	127
D	King's Scholar's Pond	London County Council	8	11 6	31	..	28·49	170	128
D	Buckingham Palace	Mr. W. Osborne	5	8 0	35	24·9	31·83	177	134
D	Kensington Gardens	Prof. S. M. Dixon	5	1 0	78	..	30·56	166	122
D	St. James's Park (+A)	The Meteorological Office	8	1 0	27	22·4	31·00	161	133
D	Spring Gardens	London County Council	8	6 0	35	24·0	31·24	172	133
	ST. MARYLEBONE.								
D	Royal Botanic Gardens	J. L. North, Esq.	8	1 0	130	26·6	33·72	185	138
	HAMPSTEAD.								
D	Barrow Hill Reservoir	Met. Water Board	5	1 0	175	25·2	33·60	173	138
d	Kidderpore Reservoir	Met. Water Board	5	1 0	328	24·8	33·76	..	122
D	Observatory	E. L. Hawke, Esq.	8	1 0	450	..	38·56	209	145
D	Golders Hill Park	London County Council	5	1 0	350	..	36·22	182	153
	ST. PANCRAS.								
D	Camden Square (+A)	Royal Meteorological Soc.	8	1 0	110	24·5	33·93	182	136
	Camden Square *Snowdon*	Royal Meteorological Soc.	5	1 0	110	..	33·84	182	136
M	Camden Square	Royal Meteorological Soc.	5	1 0	110	..	33·97	..	..
	STOKE NEWINGTON.								
D	New River Filter Beds	Met. Water Board	5	1 3	101	24·6	30·98	165	133
D	New River Reservoirs	Met. Water Board	5	1 0	105	25·4	30·46	166	131
	HACKNEY.								
D	Clapton Pond (+A)	P. Holt, Esq., C.E.	5	1 0	69	24·2	29·80	156	128
	HOLBORN.								
	FINSBURY.								
D	New River Head	Met. Water Board	8	1 0	95	23·5	29·41	166	125
	BETHNAL GREEN.								
D	Victoria Park	London County Council	5	1 0	43	..	30·36	166	128
	POPLAR.								
D	Isle of Dogs (Island Gardens)	London County Council	5	1 0	18	..	28·10	164	126
D	Old Ford Pumping Station	Met. Water Board	8	0 9	19	23·7	30·25	177	132
D	Old Ford (Penstock House) (+A)	London County Council	8	1 0	43	23·6	30·32	170	132
	WOOLWICH.								
D	N. Woolwich Pumping Stn. (+A)	London County Council	8	0 9	12	22·9	26·51	152	123
D	Barking Outfall	London County Council	8	0 9	0	21·8	27·63	168	124

DIVISION II.—SOUTH EASTERN COUNTIES.

SURREY. (Area, 725 sq. mi.).

1.—ARUN. 45 sq. mi.

D	Haslemere (Clammer Hill)	Mrs. Glennie	5	1 6	400	35·8	46·97	196	146
D	Chiddingfold (Stonehurst)	H. St. John H. Bashall, Esq.	5	1 1	200	..	41·25	178	142
D	Hambledon (Rossall)	L. R. Furneaux, Esq.	5	1 0	250	..	42·15	226	150

2.—MEDWAY. 50 sq. mi.

	ast Grinstead (Lockeridge)	Lt.-Col. J. F. Forbes, D.S.O.	5	1 0	320	..	42·74	198	153
	ormans Park (Chartham Park)	I. D. Margary, Esq.	5	1 0	270	..	42·38	200	147
	ormans Park (Hill Crest)	Mrs. H. R. Mill	5	1 0	320	..	44·18	213	145

DIVISION II.—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
		in.	*ft. in.*	*ft.*	*in.*	*in.*		
SURREY—(*con.*).								
2.—MEDWAY—(*con.*).								
D Lingfield (Felcourt)	R. McAlpine, Esq.	5	1 3	225	..	42·10	198	147
D S. Godstone (Hartsridge)	F. E. Goad, Esq.	5	0 10	450	..	40·55	198	153
D Oxted (Stone Hall)	W. P. Metcalfe, Esq.	5	1 5	320	..	42·43	202	148
D Oxted (West Heath)	Norman W. Grieve, Esq.	8	1 2	500	..	43·34	200	157
3.—THAMES—Darent. 22 sq. mi.								
D Tatsfield School	B. Hammond, Esq.	5	1 8	741	..	43·42	170	133
D Farleigh (Croydon Ment. Hosp.)	Croydon Corporation	8	1 0	100	..	42·90	180	145
Chelsnam (Fairchildes)	A. S. Daniell, Esq.	5	0 8	600	33·7	41·45	..	..
D Addington (Hares Bk. Pump. Sta.)	Croydon Corporation	8	1 0	331	..	37·86	201	135
D Addington Hills Reservoir	Croydon Corporation	8	1 0	472	29·4	37·97	196	141
D Norwood (Auckland Road)	Miss J. Cooper	5	1 5	230	23·7	29·59	164	123
4.—THAMES—Wandle. 71 sq. mi.								
D Kingswood (Margery Hall Res.)	W. Vaux Graham, Esq., C.E.	5	1 0	691	..	43·71	199	149
D Caterham Reservoir	A.E.Cornewall-Walker, Esq.	5	1 2	717	34·6	43·37	214	154
D Caterham Valley (Croydon Rd.)	A. M. Worfolk, Esq.	5	6 0	435	..	47·05	187	150
D Tadworth (Glade House)	W. J. Saunders, Esq.	5	1 6	545	..	43·59	210	151
D Chelsham & Woldingham	W.W.W.Vaux Graham, Esq., C.E.	5	1 0	479	..	45·91	184	149
D Warlingham (Council School)	R. W. Peacock, Esq.	5	1 0	600	..	40·92	207	151
D Caterham Valley Depot	A.E.Cornewall-Walker, Esq.	5	1 6	431	..	48·04	222	154
D Banstead (Burgh Heath)	Capt. E. R. Taylor	5	1 0	571	32·6	43·10	198	146
D Banstead (Burgh Heath Res.)	W.Vaux Graham, Esq., C.E.	5	1 0	600	32·7	45·38	203	171
Chipstead (How Green Res.)	W.Vaux Graham, Esq., C.E.	5	1 0	528	..	40·62	..	..
D Kenley Pumping Station	A.E.Cornewall-Walker, Esq.	5	1 6	275	..	37·56	202	139
Coulsdon	J. H. Lowe, Esq.	5	0 6	400	..	39·42	197	143
D Banstead Mental Hospital	S. J. Wray, Esq.	5	4 6	425	..	36·97	191	152
D Purley (Oakwood Avenue)	E. W. Finch, Esq.	5	1 0	380	..	38·07	208	140
D Purley (Downscourt Rd)	J. Edmund Clark, Esq.	5	1 0	360	30·9	39·30	208	138
D Purley (Pumping Station)	A.E.Cornewall-Walker, Esq.	5	1 3	225	30·1	41·13	209	149
Purley (Russell Hill)	Mrs. Gillbee	5	1 0	350	..	39·88	232	..
D Purley (St. Mark's Vicarage)	Mrs. Shattock	5	1 0	336	..	37·69	172	139
D Sanderstead (Heathhurst Rd.)	E. Alexander, Esq.	5	1 0	335	..	38·33	198	139
D Croydon Aerodrome (+A)	The Meteorological Office	8	1 0	244	26·7	34·93	180	130
D South Croydon (Avondale Road)	G. Macdonald Davies, Esq.	5	1 0	195	29·4	37·09	201	135
d South Croydon (Harewood Rd.)	Mrs. Morland	6	0 8	300	..	35·19	..	..
D Carshaton (Sewage Works)	Surveyor, U.D.C.	5	1 0	118	25·9	33·73	173	130
D Carshalton (The Grove)	H. J. Spicer, Esq.	8	1 0	130	..	34·08	155	127
D Beddington (Sewage Farm)	Croydon Corporation	5	1 0	129	..	31·89	174	128
D Croydon (Northampton Road)	Mrs Higgins	5	1 0	210	..	36·40	185	136
D Beddington Cor. (Millgreen Rd.)	S. S. Miller, Esq.	5	5 0	77	26·2	37·29	174	128
D Wimbledon (Trinity Road)	P. J. Bevan, Esq., C.E.	5	1 0	53	..	33·97	168	132
D Wimbledon (Compton Road)	G. H. Cheesman, Esq.	5	1 6	80	..	32·38	177	133
D Wimbledon (Sewage Pmp. Sta.)	J. Bowen, Esq., C.E.	5	1 0	55	..	31·75	173	128
5.—THAMES—Mole & c. 229 sq. mi.								
D Outwood (The Orchards)	H. Gurney, Esq.	5	1 0	274	26·0	41·41	193	152
D Dorking (Bramerton)	Rev. Jas. F. Twist	5	1 0	300	..	44·61	187	150
Dorking (Denbies)	Mr. J. Ansell	5	0 6	610	32·2	46·13	197	..
D Brockham	H. R. Kempe, Esq., C.E.	8	0 9	180	31·2	40·05	182	144
D Betchworth (Snower Hill)	T. DuBuisson, Esq.	8	0 11	250	..	40·77	195	168
South Nutfield (Hale Edge)	R. C. Grant, Esq.	5	1 0	250	28·7	37·35	191	150
D Earlswood (Sewage Farm)	F. T. Clayton, Esq., C.E.	5	1 6	196	..	37·69	189	148
D Redhill (Station Road)	W. H. Fowler, Esq.	5	21 0	273	30·3	42·01	184	146
D Redhill (Warwick Road)	A.E.Cornewall-Walker, Esq.	5	1 6	284	..	41·21	203	150
d Red Hill (Gatton Hill)	C. F. Bull, Esq.	5	1 0	300	..	42·68	(210)	(151)
D Reigate (The Knowle)	G. Weston, Esq.	5	1 0	390	29·9	42·69	183	150
d Reigate (Woodcote)	Herbert Crosfield, Esq., J.P.	5	0 4	310	..	43·78	198	146

DIVISION II.—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with .01 in. or more.	1927: Days with .04 in. or more.
SURREY—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—THAMES—Mole & c.—(*con.*).								
D Reigate (Wray Park Road)	W. J. MacAndrew, Esq.	5	1 3	330	..	44·94	205	152
D Reigate (Castle Grounds)	F. T. Clayton, Esq., C.E.	5	1 6	350	30·4	46·03	250	164
D Reigate (Thurso)	F. S. Smith, Esq.	8	1 0	270	..	40·51	185	152
D Nutfield Priory	J. Moffatt, Esq.	8	1 2	313	31·5	41·83	219	147
D Nutfield (Elstree)	D. Morphew, Esq.	5	1 0	430	..	40·27	198	146
D Bletchingley (South Park Fm.	Uvedale Lambert, Esq.	5	0 4	340	31·4	39·25	178	143
D Headley Rectory	Rev. T. E. R. Phillips	5	1 0	570	..	43·44	218	144
d Headley (The Hurst)	Mrs. Lyall	5	1 3	420	32·2	42·90	..	..
D Walton-on-the-Hill (Hedgecroft)	G. R. Crompton, Esq.	5	1 0	570	..	43·76	208	152
D Walton-on-the-Hill	Mr. J. Millichamp	5	1 0	600	31·7	42·69	207	151
Fetcham W.W. †	E. Surrey Water Co.	8	1 0	102	..	37·95	..	..
D Tadworth	G. B. Wall, Esq.	5	1 4	550	..	45·87	207	155
D Ashtead (The Hut)	late Mrs. Maples	5	1 0	200	..	36·71	189	138
D Epsom (Sewage Farm)	E. R. Capon, Esq., C.E.	8	1 0	120	25·4	34·73	171	139
D Whiteley Village (Fox Oak)	H. E. Cooke, Esq.	8	3 4	195	..	31·22	180	131
D Cobham (Uplands)	R. S. Morrish, Esq.	5	0 6	180	..	36·42	175	142
d Weybridge (St. George's Hill)	Mrs. Buckley	5	0 10	200	..	30·83	..	..
D Weybridge (Gower Road)	Miss J. A. Sanger	5	0 5	117	26·2	35·27	201	145
D Sutton (Camborne Road)	F. E. Wright, Esq.	5	1 0	250	..	37·55	197	134
D Claygate (Hertslets)	N. C. Armitage, Esq.	5	1 0	106	..	32·85	193	139
D Esher (Halidon)	D. H. Baird, Esq., C.B.E.	5	1 5	114	..	33·42	185	137
D Sutton (Waterworks)	W. Vaux Graham, Esq., C.E.	5	1 6	166	26·0	34·05	168	141
D Sutton (Sewage Works)	W. H. Grieves, Esq., C.E.	8	1 0	94	28·8	36·26	158	124
D Surbiton (Worthington Road)	W. Stephens, Esq.	5	1 0	82	..	36·56	186	146
D Surbiton (Seething Wells)	Met. Water Board	5	0 10	34	24·9	34·10	173	135
D West Molesey (Walton Works)	Met. Water Board	5	0 6	35	23·5	30·94	168	133
d New Malden (Dunbar Road)	J. W. Harris, Esq.	4	1 0	..	..	35·37	..	..
D New Malden (Sewage Works)	R. H. Jeffes, Esq.	5	1 3	48	23·4	31·12	161	132
D Kingston (County Hall)	H. Wilson, Esq.	5	0 9	31	26·0	32·60	179	139
D Kingston Sewage Works	P. G. Lloyd, Esq.	8	0	25	27·9	36·09	164	132
d Kingston (Grammar School)	W. R. Warner, Esq.	5	1 0	32	..	31·47	..	121
D Merton (Joseph Hood Rec. Gd.)	The Engineer	5	1 0	48	..	33·17	173	134
D Raynes Park (C. School)	C. V. Manley, Esq.	5	1 0	50	..	31·76	173	135
D Raynes Park (Cottenham Pk P.S.)	J. Bowen, Esq., C.E.	5	1 2	50	24·9	32·43	163	127
D Wimbledon (Richmond Road)	W. B. de Winton, Esq.	5	1 1	70	..	35·47	190	138
D Wimbledon (Worple Road)	N. Lang Smith, Esq.	5	1 0	75	..	33·94	182	139
D Richmond (The Terrace)	Borough Engineer	8	0 6	109	24·9	34·01	176	138
D Richmond (Kew Observatory) (+A)	The Meteorological Office	8	1 0	18	23·8	32·12	163	120
D Mortlake (Hammersmith Cem.)	R. J. Brown, Esq.	5	1 0	..	..	27·98	165	123
d Kew (Royal Botanic Gardens)	The Director	8	0 9	20	..	33·21	163	130
D Barnes (Barn Elms)	Met. Water Board	5	1 0	16	..	31·72	170	127
6.—THAMES—Wey. 236 sq. mi.								
D Haslemere (U.D.C. Depot)	A. G. Whitcher, Esq.	5	1 0	475	36·22	51·34	204	156
D Haslemere (Frensham Hall Gdns.)	H. Windibank, Esq.	5	2 0	750	..	51·12	177	163
D Haslemere (Frensham Hall Farm)	H. Windibank, Esq.	5	2 0	600	37·4	46·78	201	152
D Haslemere (Hazelhurst)	Mrs. T. P. Newman	5	1 0	550	39·5	54·22	202	164
D Haslemere (Littledale)	F. Harrison, Esq.	5	1 0	770	..	46·71	191	152
D Haslemere (Furnace Place)	F. J. Barlow, Esq.	5	1 10	300	..	44·50	174	149
D Oakwood Hill (Honeywood Ho)	The Lady Tredegar	5	1 0	280	..	41·83	214	144
D Witley (King Edward's School)	E. Townsend, Esq.	5	1 0	300	..	41·32	178	142
D Witley (King George V. Sanatm.)	J. Watt, Esq.	5	1 0	305	..	39·53	192	138
D Churt (Furze Hills)	C. G. O. Bond, Esq.	5	1 0	390	..	41·60	196	151
d Churt (Bron-y-dê)	Rt. Hon. D. Lloyd George.	..	..	..	..	(41·97)	..	..
D Hascombe Place	C. T. Musgrave, Esq.	5	1 0	390	33·5	45·16	203	148
D Cranleigh (Homefield Cottage)	W. S. Sarel, Esq., C.B.	5	1 9	180	..	40·65	208	142
D Cranleigh (Ruffold Lodge)	Dr. Blakeman	5	1 3	..	..	39·28	207	146
Thursley (C.E. School)	H. Swallow, Esq.	5	1 0	300	..	40·69	..	..
D Ewhurst (Coneyhurst)	Col. R. J. Few, D.S.O.	8	1 0	607	33·7	46·28	196	146
D Ewhurst (The Four Winds)	Miss E. Brooke	5	1 0	809	..	43·11	214	155

† Formerly called Leatherhead W. W.

DIVISION II.—SOUTH-EASTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
	SURREY—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	6.—THAMES—Wey—(*con.*).								
d	Ewhurst (Woolpits)	Mr. W. Harrison	8	1 6	600	32·8	41·95	..	..
D	Frensham (Spreakley Hollow)	A. R. Crossley, Esq.	5	1 0	200	..	41·03	177	152
d	Godalming (Munstead Heath)	A. M. P. Hodsoll, Esq.	5	1 0	450	..	38·96	..	135
D	Godalming (Greylees)	Mr. H. Isted	5	0 5	150	..	39·18	194	143
	Godalming (Westbrook)	T. Turner, Esq.	5	1 0	280	..	40·09	..	..
D	Godalming (Charterhouse)	O. H. Latter, Esq.	5	1 0	130	29·2	38·10	194	131
D	Shackleford (Hall Place)	Mr. E. Nash	8	1 2	200	..	37·10	167	130
D	Peaslake (Dewdney)	Sir F. G. Ogilvie, C.B.	5	1 0	532	..	(43·11)	210	153
D	Bramley (The Limes)	Rev. C. J. Etty	5	1 0	135	..	40·54	183	150
	Compton (Sandy Knowe Gdns)	Mrs. Houghton	..	..	..	..	36·33	..	..
D	Shere (Manor House)	R. A. Bray, Esq.	5	1 0	330	..	42·45	210	148
D	Shere (The Rectory)	Rev. Sir P.M. Bowman, Bt.	5	1 3	200	..	43·11	196	148
D	Albury (Dalton Hill Gardens)	Mr. J. Tidy	5	1 0	250	..	40·22	163	144
D	Abinger Hall	Lord Farrer	8	1 7	312	36·5	45·95	224	167
D	Farnham (Crooksbury Ridges)	F. R. Walters, Esq., M.D.	5	1 4	440	31·0	44·43	219	148
D	Farnham (Short Heath Lodge)	Col. G. Chrystie	5	1 0	365	30·1	40·31	206	148
D	Farnham (Bourne Corner)	Miss I. M Deedes	5	1 0	365	..	40·95	181	153
D	Puttenham (Berthorpe)	Capt. E. H. Tuckwell, M.C.	5	1 0	350	..	36·46	190	133
D	Guildford (Pilgrim Wood)	H. A. Powell, Esq., M.D.	5	1 0	320	..	37·80	189	135
D	Guildford (Briarfield)	Miss M. E. Swaine	5	2 3	300	29·7	37·80	203	138
D	Guildford (West Mount)	C. M. Powell, Esq.	5	1 0	220	..	37 36	187	140
D	Guildford (Roy. Gram School)	H. N. Weller, Esq.	5	1 0	200	..	38·61	182	144
d	Guildford (Kilvington)	Miss Meynell,	5	1 0	300	..	(37·67)	..	..
D	Guildford (Cross Lanes)	F. F. Smallpiece, Esq.	5	0 8	200	28·6	36·06	193	142
d	Merrow (Stoodwell)	S. Eustace, Esq.	5	0 8	221	..	35·90	..	138
D	West Clandon	W. Fidkin, Esq., C.E.	8	0 3	319	..	39·37	195	147
D	E. Horsley (Rowbarns Grange)	D. W. Sissons, Esq.	5	1 7	335	..	42·11	184	149
D	Worplesdon (Openwood)	D. H. Welch, Esq.	5	0 8	160	..	34·77	171	142
D	Worplesdon (Golf Club)	R. Goring Thomas, Esq.	5	1 6	168	..	33·22	189	141
D	Ripley (Ripley Court)	Captain Pearce	5	1 5	86	..	34·75	183	137
	Ockham (Ockham School)	H. Titmous, Esq.	5	2 0	100	..	33·53	..	124
D	Woking (Sutton Green)	Capt. S. Price-Williams	5	1 6	140	..	34·00	179	141
D	Woking (The Grange)	Miss M. E. Wilson	5	1 3	78	26·1	36·82	187	135
D	Woking (Hook Heath)	W. S. Patterson, Esq.	5	1 0	160	..	32·72	167	141
	Woking (Northwood)	G. T. E. Hamilton, Esq.	5	1 0	114	..	30·63	..	..
D	Woking (The Green)	Mrs. Howlett	5	0 9	122	..	33·75	179	143
D	Woking (Saunders Lane)	W. Buck, Esq.	5	0 9	122	..	36·23	206	147
D	Horsell (Tetherstones)	Vernon B. Longhurst, Esq.	5	1 0	115	..	32·85	195	137
D	Wisley (R.H.S. Gardens)	W. D. Cartwright, Esq.	8	1 0	150	24·1	35·68	202	137
D	Byfleet (West Hall Gardens)	Mr. G. Carpenter	5	1 0	61	..	35·58	171	141
D	West Byfleet (Kilmeena)	F. Littleboy, Esq.	5	1 0	100	..	34·29	165	136
D	West Byfleet (Starcross)	Walter W. Way, Esq.	5	1 0	110	..	33·94	172	132
d	West Byfleet (Scotland Bridge)	Capt. H. Beeney	5	1 3	69	..	33·85	..	137
D	Weybridge (St. Michael's)	H. I. Bond, Esq.	5	0 8	115	..	32·35	192	137
D	Weybridge (Heath Field)	Miss A. T. Gardiner	5	1 0	100	26·5	33·41	176	143
D	Weybridge (West Oaks)	A. Whittet, Esq.	5	1 0	36	24·1	30·91	186	131
	7.—THAMES—Bourne. 55 sq. mi.								
D	Knap Hill (Ulundi)	G. C. H. Simmonds, Esq.	5	1 0	181	..	34·07	172	138
	Knap Hill (Lynbrook)	Charles Wigan, Esq.	5	1 9	200	..	33·52	188	138
D	Chobham (Sandpit Hall)	K. H. Power, Esq.	5	1 0	100	26·7	32·47	184	140
D	Chobham (The Manor House)	F. A. Walter, Esq.	5	1 0	150	..	35·17	205	152
p	Windlesham (Sunderland Ho.)	O. H. Bradnack, Esq.	6	0 11	450	..	34·44	..	137
D	Chertsey (Ottershaw)	Mrs. R. H. Otter	5	1 0	200	27·1	34·81	189	142
D	Chertsey (Botleys Park)	Mr. H. Whitmarsh	5	1 5	111	..	33·44	182	131

DIVISION II.—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
SURREY—(*con.*).		*in.*	*ft. in.*	*ft*	*in.*	*in.*		
7.—THAMES—Bourne—(*con.*).								
D Upper Childown(LongCross H.)	Miss C.M.Leycester-Penrhyn	5	1 0	200	..	34·89	187	138
D Sunningdale (Hilltop)	E. F. Cecil, Esq.	5	1 0	280	..	33·46	163	154
D Chertsey (Abbey Meads)	W. Fidkin, Esq., C.E.	8	0 2	53	..	30·19	164	135
D Virginia Water(S. Ann's Heath)	Rev. J. Peck, M.A.	8	1 1	120	25·4	34·43	199	128
D Staines (St. Ann's Cottage)	Miss D. M. Gundry	5	1 0	52	..	33·32	187	133
8.—THAMES—Loddon. 17 sq. mi.								
D Frimley Green Waterworks	S. G. Weller, Esq.	5	0 7	220	24·6	36·70	181	144
D Frimley Green (Ridgemount)	C. C. Haviland, Esq.	5	0 9	350	29·5	38·95	234	154
D Camberley (Way's End)	E. Ernest Green, Esq.	5	0 11	295	..	38·06	187	148
D Camberley (Cordwalles)	C. H. Ledward, Esq.	5	1 0	400	..	37·11	191	135
KENT. (Area, 1,532 sq. mi.)								
1.—ROTHER & C. 217 sq. mi.								
D Dungeness	The Meteorological Office.	8	0 11	20	24·4	31·70	172	132
D Lydd (The Paddock)	Dr. J. A. Proctor	5	5 8	10	..	38·26	182	136
d Lydd (Westbroke House)	A. Finn, Esq., J.P.	5	1 0	10	..	35·77	..	129
D Brookland (Thrift Farm)	C. Clark, Esq.	12	3 0	1	..	36·23	174	134
D Dymchurch (Grove House)	R. S. Jones, Esq.	5	1 0	8	..	35·87	182	135
D Dymchurch (Hoornes)	Mrs. Paddock	5	1 0	9	..	36·09	176	128
D Snave (Poplar House)	T. K. Tickner, Esq.	8	1 4	10	..	34·63	158	137
D Appledore (The Well House)	Dr. F. W. Cock	5	1 2	23	..	38·66	174	141
D Hawkhurst (Hensill)	Major F. Ross Thomson	5	3 0	180	30·5	39·23	159	138
D Kenardington (The Firs)	Francis H. Lyon, Esq.	5	1 2	65	..	36·50	182	130
D Tenterden (Ashenden)	Major Herbert Neve	5	1 0	190	..	37·80	187	148
D Benenden (National Sanat'm)	H. Spurrier, Esq., M.B.	5	1 0	250	..	38·22	196	142
Hythe	M. J. Harvey, Esq., C.E.	5	0 9	12	28·0	40·21	176	143
D Hythe (Douglas Avenue)	W. H. Elder, Esq.	5	1 2	18	..	39·38	189	146
D Hythe (Sandling Park)	Rt. Hon. L. Hardy,	8	1 0	260	30·4	43·78	187	156
D Sandgate	C. Law Green, Esq., C.E.	5	4 3	60	..	39·13	187	138
D Saltwood (Cylinder)	Mrs. Chetwynd-Stapylton.	..	..	..	..	41·90	200	162
D Folkestone (Borough Sanat'm)	A. E. Nichols, Esq., C.E.	5	1 0	101	28·6	37·89	176	131
D Folkestone (Cheriton Road)	B. J. Duncan Walker, Esq.	5	1 0	160	28·8	40·01	174	135
D Folkestone (Cherry Gardens)	H. T. Turner, Esq., C.E.	5	1 6	230	29·1	39·31	189	142
D Capel (Lower Standen)	H. T. Turner, Esq., C.E.	5	2 11	250	31·2	39·83	152	139
D Dover (Waterloo Crescent)	Borough Surveyor	8	1 0	22	..	37·34	186	135
D Dover (Waterworks)	W. B. Smith, Esq., C.E.	5	1 6	200	30·0	40·23	173	144
D Dover (Buckland)	Guy Mannering, Esq.	8	1 6	50	..	42·86	172	143
D Dover (Barton Road)	Cyril G. W. Lewis, Esq.	5	1 0	55	..	42·79	193	144
D Kearsney (Chilton Farm)	W. B. Smith, Esq., C.E.	5	1 6	127	33·5	46·78	195	149
2.—STOUR & C. 386 sq. mi.								
D Lympne Aerodrome (+A)	The Meteorological Office.	8	1 0	347	28·5	39·16	187	137
D Sellindge (Council School)	S. H. Serpell, Esq.	5	1 0	200	..	42·68	184	143
D Smeeth School	W. H. Wetherell, Esq.	5	1 0	300	..	42·07	210	156
D Lyminge (Elham Valley W.W.)	Phillip Harris, Esq.	5	1 6	445	..	43·54	213	155
D Ashford	B. H. Headley, Esq.	5	1 0	190	..	39·89	182	144
D Ashford (Albert Road)	A. E. Brounger, Esq.	5	1 0	185	..	38·71	205	137
D Dover (Martin Mill Pump. Stat.)	F. L. Ball, Esq.	5	1 0	287	..	42·17	191	145
D Wye (Agricultural College)	Capt. A. H. Bird	5	1 0	164	..	35·59	210	134
D Waldershare Rectory	Rev. H. Saumarez Smith	5	1 0	275	..	43·74	197	146
D Waldershare Park Gardens	J. Haggett, Esq.	8	1 0	250	..	41·45	167	139
D Shepherdswell (Upton Lodge)	Rutley Mowll, Esq.	5	1 0	300	..	44·33	188	148
D Shepherdswell (Montbeliard)	F. H. Bernard, Esq.	5	1 0	285	..	42·85	180	146
D Boughton Aluph (Fairlawn)	E. Simmons, Esq.	5	1 3	220	..	36·34	210	136
D Charing Pumping Station	F. L. Ball, Esq.	5	1 0	295	..	39·09	213	144
D Deal and Walmer W.W.	A. Mantle, Esq.	5	1 0	110	28·0	37·50	211	128
D Deal (Wellington Road)	Town Clerk	5	1 0	25	..	36·44	172	136

DIVISION II.—SOUTH-EASTERN COUNTIES—(*con.*)

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with .01 in. or more.	Days with .04 in. or more.
KENT—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—STOUR & C.—(*con.*).								
D Sandwich (Upton House, Word)	Capt. W. Elwin Napier ...	5	1 0	32	27·7	37·34	190	136
D Worth (Felder Lodge)	J. S. Campbell, Esq.	5	0 10	26	..	34·22	184	129
d Chilham (Lower Emsden)	F. Ivo Neame, Esq.	5	3 0	305	..	36·69	..	122
D Wingham (Margate W.W.)	Mr. J. H. Parker	5	1 0	138	28·7	36·39	161	128
D Canterbury (Medical Hall)	A. Lander, Esq.	5	1 0	39	..	34·43	176	136
D Canterbury (London Road)	Miss B. Spillett	5	0 6	66	28·7	34·66	195	139
D Canterbury (Irrigation Works)	C. Terry, Esq., C.E.	5	2 6	15	27·5	35·91	183	143
D Canterbury (Rough Common)	A. W. Wood, Esq.	5	1 0	285	..	35·81	175	156
D Ramsgate (East Cliffe)	Borough Engineer	8	0 10	168	24·0	30·11	187	135
D Ramsgate (Archer House)	Miss L. M. Wainwright ...	5	1 0	75	..	30·53	176	132
D Reculver	Allington Collard, Esq. ...	5	5 2	27	21·8	30·34	186	129
d Broadstairs (Domus)	Capt. W. B. Marling	8	1 0	60	..	31·35	..	127
D Broadstairs (Collis Court Road)	A. Watkins, Esq.	5	1 0	120	..	33·86	191	142
D St. Peter's (Hildersham House)	H. Hurd, Esq., C.E.	5	0 9	140	23·7	31·74	163	141
Birchington (Hollydene)	W. Tomlin, Esq , Junr. ...	5	6 0	75	..	31·61	167	138
D Margate (Cliftonville)	J. E. Turner, Esq.	5	1 0	51	22·8	28·26	165	121
3.—SWALE & C. 167 sq. mi.								
D Selling (Grove House)	F. Ivo Neame, Esq	5	1 5	330	..	36·74	178	140
D Selling (Luton)	F. Ivo Neame, Esq.	5	4 9	263	30·4	37·41	187	141
d Ospringe (Queen Court)	L. H. Finn, Esq.	8	1 3	50	27·2	37·34	..	131
D Faversham (Portway)	C. Gordon Neame, Esq. ..	5	3 4	180	..	35·71	189	144
d Teynham (Norton Court)	A. L. Mercer, Esq.	5	1 6	90	..	35·49	..	..
Teynham (New Gardens)	Mrs. Honeyball	5	1 5	30	24·5	31·37	187	125
D Milton Regis (Sewage Works)	The Surveyor	5	1 1	19	..	33·29	171	135
Herne Bay (Waterworks)	J. Roberts, Esq.	5	1 6	130	22·8	31·23	..	..
d Sheppey (Eastchurch, O. Rides)	H C. Warren, Esq.	5	2 0	40	22·9	28·37	..	..
D Sheerness	W. C. D. Hills, Esq.	5	1 0	13	..	25·84	162	115
4.—MEDWAY. 506 sq. mi.								
D Bedgebury Park Gardens	Mr. H. Arnold	5	1 0	280	..	42·42	180	154
D Woodchurch (Hengherst)	W. Michell, Esq.	5	1 0	152	..	40·40	184	151
D Kilndown School	J. A. Ager, Esq.	5	1 6	365	..	37·76	170	141
D Scotney Castle	E. W. Hussey, Esq.	5	3 9	203	26·8	38·43	185	137
d High Halden (Middle Quarter)	Mr. B. H. Budding	5	1 0	114	..	39·67	..	..
D Goudhurst (Gore Court)	J. A. Druce, Esq.	5	1 0	..	30·3	39·15	163	149
D Tunbridge Wells (Hawkenbury)	D. W. Horner, Esq.	5	1 6	435	..	40·72	200	149
D Tunbridge Wells (Calverley Park)	Dr. F. C. Linton	5	1 0	355	27·0	40·06	186	138
D Tun. Wells (The White House)	Miss Monica Robins	5	1 6	350	..	44·20	198	166
D Speldhurst Rectory	Rev. Canon H. Masters ..	5	0 10	334	..	39·89	198	142
D Speldhurst (Little Court)	P. L. Rooper, Esq.	8	1 3	350	..	43·93	212	156
D Pembury (The Spring)	Miss L. M. Fowler	5	1 0	416	..	43·92	196	160
D Pembury Waterworks	W. H. Maxwell, Esq., C.E.	8	1 8	197	..	42·21	190	139
Southborough (Tentergarth)	Miss E. Powell	5	0 11	421	..	43·93	..	..
D Edenbridge (Falconhurst)	Sir George Talbot	5	1 6	375	30·7	43·12	192	159
D Edenbridge (Stonewall Park)	E. G. B. Meade-Waldo, Esq.	5	1 1	344	..	41·62	192	141
D Edenbridge (Gibridge)	J. Mavrogordato, Esq.	5	1 0	400	..	42·94	231	151
D Headcorn (Summerhill)	E. M. Richford, Esq.	5	1 0	100	..	34·96	175	143
D Penshurst Place	Lord De L'Isle and Dudley	5	1 0	120	..	43·23	210	148
D Penshurst (Parkholt)	J. M. Sturgess, Esq.	5	0 9	265	..	37·46	181	137
D Tonbridge (Mabledon Park)	J. F. W. Deacon, Esq.	5	1 0	190	..	42·33	194	149
D Tonbridge (The Drive)	G. J. Kimmins, Esq.	5	0 10	165	..	40·72	199	146
D Tonbridge (Lyons)	Dr. E. S. Cardell	5	1 0	75	..	38·23	197	139
D Hildenborough (Gailes)	E. E. Roper, Esq.	5	1 0	159	..	40·76	183	142
D Hildenborough (Hollanden Ho.)	C. H. Scott, Esq.	8	1 0	99	..	39·21	205	132
D Langley (Rumwood Court)	Mr. W. J. Gould	5	1 9	354	..	41·94	214	151
Loose Vicarage	Rev. W. Gardner Waterman	5	1 0	240	..	37·20	..	..
d Harrietsham (Dun Akyune)	C. Mackinnon, Esq.	5	1 4	400	..	36·93	..	..

DIVISION II.—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
KENT—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—MEDWAY—(*con.*).								
D Nettlestead (Old Quarry)	W. Pye-English, Esq.	5	3 0	286	..	36·76	221	145
D Otham (Synyards)	Ambrose Boyson, Esq.	5	1 0	315	..	41·97	223	154
D Wateringbury (The Limes)	Late Alan Lambert, Esq.	5	1 4	130	..	38·93	198	153
D Sevenoaks (River Hill)	Lt.-Col. J. M. Rogers, D.S.O.	8	2 6	520	27·1	40·48	177	148
D Hollingbourne (Penn Court)	S. Lucy, Esq.	5	1 1	261	..	42·16	221	156
D Maidstone (W. W., Barming)	W. J. Ware, Esq., C.E.	5	1 6	250	..	37·36	182	142
D Maidstone (Brenchley Gardens)	T. F. Bunting, Esq., C.E.	5	0 9	50	..	37·98	183	143
D Maidstone (Mill Street)	T. F. Bunting, Esq., C.E.	8	6 0	38	..	37·38	195	143
D East Malling (Blacklands)	Major C. E. Tristram	5	1 0	80	..	35·69	162	132
D East Malling (Research Station)	The Secretary	8	1 0	132	..	37·34	189	141
Maidstone (Allington Lock)	Mr. W. Smith	5	1 0	20	..	36·44	..	138
D Detling (The Croft) *New*	R. Cooke, Esq.	5	1 0	330	27·8	39·34	219	151
M Detling (Pollhill Fields)	R. Cooke, Esq.	5	1 0	553	..	37·48	..	..
D Chatham (Woolmans Wood)	W. Coles Finch, Esq.	5	3 0	470	..	34·69	176	141
D Halling Pumping Station	F. L. Ball, Esq.	5	1 0	75	..	33·42	159	136
D Chatham (Luton W.W.)	W. Coles Finch, Esq.	5	3 0	88	..	32·13	173	130
D Rochester (Deanery Gate)	Warwick Stunt, Esq.	5	1 0	50	..	30·10	181	120
D Rochester (Knight's Place)	Miss F. H. Pye	5	3 0	320	26·0	34·01	180	142
D Strood Waterworks	W. Law, Esq., C.E.	5	3 0	112	..	31·84	179	131
5.—THAMES—Darent & C. 256 sq. mi.								
D Westerham Town	Met. Water Board	5	1 0	380	..	44·80	198	148
D Westerham Hill Pumping Stat.	Met. Water Board	5	1 0	539	..	45·38	218	144
D Sundridge Rectory	Rev. C. C. Gosselin	5	1 0	280	..	43·17	199	143
M Sevenoaks (Tonbridge Rd.Res.)	A. Grainger, Esq.	5	1 6	556	..	42·58	..	..
D Sevenoaks (Speldhurst Close)	Mrs. D. Mackinnon	5	1 0	470	..	43·05	195	143
D Tatsfield (Betsoms Hill)	Met. Water Board	5	0 7	820	..	48·14	220	160
M Seal (St. Lawrence Reservoir)	A. Grainger, Esq.	8	1 0	665	..	43·65	..	..
M Seal (Kemsing Pumping Stat.)	A. Grainger, Esq.	5	1 0	292	..	39·93	..	..
D Sevenoaks (Chevening Gardens)	Mr. J. C. Sutton	5	1 0	360	..	44·18	194	144
D Knockholt (Kent Waterworks)	Met. Water Board	5	1 0	785	29·9	43·81	175	152
D Biggin Hill (Aerodrome)	The Meteorological Office	8	1 0	597	..	43·40	221	169
D Fairseat (Fairseat House)	Col. W. Pitt, C.M.G.	5	1 0	670	..	41·74	194	152
D Chelsfield (Hewitts)	W. A. Waring, Esq.	5	4 0	476	..	36·71	184	139
Keston (Forest Lodge)	W. H. Dodgson, Esq.	5	0 6	450	..	42·13	..	..
d W. Wickham (Wickham Court)	Late Sir H. Lennard, Bt.	5	1 0	300	..	37·63	..	..
D Eynsford Hill	Arthur Mee, Esq.	8	1 0	358	..	34·26	202	134
D West Wickham (Ingleside)	G. B. Kershaw, Esq., C.E.	5	1 0	248	..	38·61	179	135
D Orpington (Kent Waterworks)	Met. Water Board	5	1 0	220	..	34·60	185	131
d Crockenhill (Wested Farm)	A. T. Miller, Esq.	5	1 6	331	..	34·12	..	..
Cobham (Sole Street House)	J. Scratton, Esq.	5	1 8	311	..	34·15	..	..
D Bickley (Farrants)	Miss Chalmers	5	1 0	250	..	36·06	176	134
Bromley (High Street)	Dr. H. Wynne Thomas	5	1 0	200	..	32·17	..	..
D Bromley	The Borough Engineer	5	1 0	213	..	32·71	168	130
D Bromley (Plaistow Lane)	Col.E.Satterthwaite C.B.V.D.	5	0 9	234	25·9	34·81	192	136
D Beckenham (Croydon Road)	The Surveyor	8	1 0	110	..	39·79	191	142
D Penge (Recreation Ground)	H. W. Longdin, Esq.	5	1 1	122	25·2	34·13	176	135
D Chislehurst (Hawkwood)	Miss M. C. Edlmann	5	0 5	300	..	32·32	196	131
Chislehurst	W. P. Jones, Esq.	5	9 0	325	..	32·37	..	..
D Chislehurst (Scadbury Park)	Mr. B. Orchard	5	1 0	250	..	30·78	176	127
D Swanley (Horticultural College)	Miss H. G. Mitchell	5	0 11	155	..	30·52	183	127
D Southfleet (Kent Waterworks)	Met. Water Board	5	1 0	82	..	29·84	191	127
D Wilmington (Kent Waterworks)	Met. Water Board	5	1 0	25	..	29·39	165	121
d Dartford (West Hill)	Mr. J. Taylor	5	1 3	100	..	31·22	..	132
D Stone (City of Lond.Ment.Hsp.)	J. Gower, Esq.	5	1 0	200	..	27·50	156	112
D Higham Waterworks	C. H. Clark, Esq.	8	1 0	141	..	35·20	199	133
D Erith (Crossness)	London County Council	14	0 6	16	..	26·33	175	126

DIVISION II.—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
SUSSEX. (Area, 1458 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in*	*in.*		
1.—LAVANT & C. 175 sq. mi.								
D Selsey (Large Acres).. *Field*	...E. Heron Allen, Esq.,F.R.S.	5	1 0	21	..	35·37	188	133
D Bognor (Waterloo Square).....	The Town Clerk	8	1 0	20	25·9	36·26	191	142
D Bognor (Albert Road)	W. L. Guermonprez, Esq. .	8	1 0	17	..	35·72	197	137
D North Mundham Vicarage.....	J. Outram, Esq.	5	0 9	0	27·7	38·15	198	140
D Colworth (Manor Farm)	Harold W. Drewitt, Esq...	5	4 6	18	..	35·71	160	134
D Bognor (Lidsey Lodge)	Late H. Neale, Esq.	8	1 0	25	..	37·54	155	129
D Merston (Abelands).....	Miss V. Kennard	5	0 6	24	..	38·12	175	140
D Bosham (Cobnor)	Major S. W. B. Beale	5	1 6	12	..	34·99	180	127
d Yapton (Bonhams)	Miss M. Rowe	5	1 0	24	27·7	35·04	..	..
D Barnham (Downview Road)...	P. A. Bisset, Esq.	5	1 0	20	..	39·41	189	142
D Chichester (Kingsham Farm) (K)	W. Lawson, Esq.	8	0 10	35	..	39·95	209	140
D Chichester (Westgate)	G. Ashley Tyacke, Esq. ..	8	1 0	40	28·7	38·87	191	137
D Chichester (West Street)	Dr. Walter Dick	5	1 0	40	..	37·08	179	128
d Chichester (County Hall)	Stanley Morris, Esq.	5	1 0	45	..	38·27	..	..
d Chichester (Oakwood House) ..	Mrs. Baring Du Prê	5	0 9	101	..	38·78	..	127
D Chichester (West Broyle Gdns.).	Mr. C. Fogden	5	1 4	107	..	39·14	168	143
D Emsworth (West Bourne)	Rev. L. B. Birkett	5	1 0	30	30·9	34·58	198	138
D Funtington House.....	J. A. Greenwood, Esq	5	1 0	95	..	38·71	178	134
West Stoke Rectory	Rev. Preb. W. F. Shaw ..	5	1 0	176	..	41·53	..	..
D Chichester (Goodwood Gardens)	Duke of Richmond & Gordon	5	1 3	133	..	41·26	199	151
D Emsworth (Stansted Park)	Mr. T. E. Tomalin	5	2 6	140	..	45·50	209	150
D Emsworth (Watergate House)..	W. M. Christy, Esq.	5	1 0	222	..	44·47	189	143
D West Dean Park	Mr. W. H. Smith.....	5	1 0	190	..	47·14	171	149
D Chilgrove House	E. L. Woods, Esq.	5	1 0	266	..	49·75	180	148
D Compton (Compton House) ...	Miss K. B. Langdale	5	1 0	263	36·6	48·86	184	151
2.—ARUN. 285 sq. mi.								
D Littlehampton (Met. Station)..	Thomas Benson, Esq.	5	1 0	27	..	33·94	172	132
D Rustington (Bracondale Nurs.).	J. Muir, Esq.	5	0 10	30	..	35·32	164	126
D Lyminster Vicarage	Rev. S. P. Duval.....	5	1 0	20	..	37·25	180	135
D Arundel (Cross Bush)	Miss M. Orme	5	1 3	150	..	41·37	188	136
D Patching Farm	Michael Drewitt, Esq.	5	1 0	180	30·8	43·23	166	140
D Harting (Down Place)	R. G. Blackwell, Esq.....	5	1 2	401	..	51·10	184	146
d Pulborough (Nutbourne Manor)	H. M. Baker, Esq.	..	..	100	..	41·39	..	..
D Pulborough (Codmore Hill) ...	Rev. C. Ash	5	2 0	165	..	43·83	207	160
D Fittleworth Rectory	Rev. A. C. Lucey	5	1 9	135	..	42·96	176	154
D Bepton (Fairfield)	Major W. A. Chauncy	5	0 8	158	35·8	45·94	168	146
D Selham (Selham House)	C. C. Lacaita, Esq.	5	1 0	115	..	45·35	154	134
D Petworth Park Gardens	Lord Leconfield.....	5	1 0	182	..	45·87	203	140
d Tillington (River House)	Hon. Lady Cunliffe, C.B.E.	5	1 0	230	..	40·99	..	144
Midhurst (Fairview).....	Gilbert Eames, Esq.	5	1 0	..	..	45·02	..	..
D Midhurst (Hollist)	Capt. F. A. Banbury, R.N.	5	0 6	107	..	42 20	168	154
D Kirdford (Hills Green)	L. Baker, Esq.	5	1 0	150	..	36·55	183	131
D Fernhurst (Ashurst)	J. G. Ohlenschlager, Esq. .	5	1 0	280	..	43·81	194	144
D Fernhurst (Hill Farm)	J. King, Esq.	5	3 0	426	..	52·56	204	160
D Fernhurst (Blackdown House)..	Lady Philipson Stow	5	1 0	550	..	46·07	192	147
D Lower Beeding (The Warren)..	Leicester M. Reed, Esq. ..	5	0 10	430	..	45·22	173	143
D Horsham (Christ's Hospital) ..	Major Gabriel Green, M.C..	8	1 3	160	..	42·84	189	141
D Horsham (Sewage P.S.)	C. G. Atkinson, Esq.	8	2 0	188	..	41·65	196	141
D Horsham (Wimblehurst)	Miss E. M. Allcard	5	1 0	195	30·0	42·10	188	146
d Horsham (Dunedin)	A. C. Holland, Esq.	5	1 2	220	..	43·29	..	142
D Rusper (The Nunnery)	Sir Cecil J.B. Hurst, K.C.B.	5	1 6	260	..	43·08	194	152

DIVISION II.—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
SUSSEX—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—ADUR & C. 237 sq. mi.								
D Rottingdean School	Mr. T. A. Sandalls	5	1 0	120	..	34·79	187	143
D Rottingdean (Hillside)	Admiral H. J. L. Clarke, C.B.E.	5	1 0	60	..	35·55	170	128
D Worthing (Victoria Park)	Dr. R. H. Wilshaw	8	1 0	35	27·5	34·80	165	130
Hove (Wilbury Villas)	S. E. Graves, Esq.	5	0 8	130	..	37·47	..	..
D Brighton (Old Steyne)	The Medical Officer of Health	5	1 0	32	28·1	36·56	154	136
D Brighton (Dyke Road)	R. A. Penney, Esq.	5	3 10	240	..	38·25	183	137
D Brighton W.W. (Goldstone Bot.)	A. B. Cathcart, Esq., C.E.	8	1 0	142	..	36·11	176	137
D Brighton W.W. (Lewes Road)	A. B. Cathcart, Esq., C.E.	8	3 10	140	29·9	42·47	191	151
D Brighton W.W. (Shoreham)	A. B. Cathcart, Esq., C.E.	8	1 8	12	..	38·38	190	145
D Brighton W.W. (Mile Oak)	A. B. Cathcart, Esq., C.E.	8	1 3	166	..	41·71	182	143
D Brighton W.W. (Race Hill Res.)	A. B. Cathcart, Esq., C.E.	8	1 3	469	..	42·46	190	152
D Preston Park (Clermont Road)	C. Modlen, Esq.	5	0 11	105	..	38·59	178	143
D Falmer (Brighton W.W.)	A. B. Cathcart, Esq., C.E.	8	1 4	202	..	42·93	203	151
D Patcham (Brighton W.W.)	A. B. Cathcart, Esq., C.E.	5	1 1	206	..	44·93	190	152
D Bramber (Burletts)	Hatton G. Sugden, Esq.	5	5 3	75	..	48·18	215	152
D Washington Vicarage	Rev. A. H. S. Pattrick	5	1 0	251	..	46·58	193	141
D Ditchling (Broadmeadow)	H. Fayle, Esq.	5	1 0	200	..	(49·71)	(203)	(152)
D Ditchling (Neston)	J. Brown, Esq.	5	1 1	170	..	49·93	190	153
D Hassocks (Wilmington Lodge)	C. T. Agar, Esq.	5	1 0	200	..	46·57	190	151
D Hassocks (The Croft)	Harold Taylor, Esq.	5	1 0	200	..	49·35	189	152
D Cuckfield (Henmead Hall)	Mrs. Maxwell Campbell	5	3 0	365	..	45·77	194	144
D Billingshurst (Duncan's Farm)	Miss Edith Beck	5	1 0	130	..	42·42	205	161
D Slinfold (Elmhurst Farm)	Elmhurst Fmg. & Trdg. Co.	5	0 10	..	..	39·77	202	146
4.—OUSE. 224 sq. mi.								
D Seaford (Bowden House School)	J. F. Thomas, Esq.	5	1 0	190	..	36·52	173	139
D Seaford (Newlands)	T. Davys Manning, Esq.	5	1 0	100	..	37·90	172	141
D Newhaven (Poverty Bottom WW)	J. T. Bickford, Esq.	8	1 0	51	..	39·27	185	144
d Lewes (Little Dene)	Mr. F. Down	8	0 11	58	..	46·20?	..	..
D Lewes W. W. (Kingston)	J. T. P. Johnston, Esq.	8	1 3	13	..	47·42	216	157
D Ringmer (Park House)	G. Elliott Sealy, Esq.	5	2 0	100	..	41·31	192	152
D Barcombe (The Gables)	L. S. F. Woodhead, Esq.	8	1 0	100	..	45·73	197	148
East Hoathly (Halland Park)	Mr. R. Shanks	5	1 6	325	..	41·30	..	152
Framfield (High Cross)	Maj. R. L. Thornton, C.B.E.	5	0 6	195	..	43·14	..	..
D Haywards Heath (Gower Road)	Mrs. J. E. Shirley	5	3 4	242	..	40·13	205	151
D Haywards H. (Paddockhall Rd.)	L. E. Hervey, Esq.	5	0 8	260	..	43·94	206	147
Buxted (Strawberry Hall)	C. Rintoul, Esq.	5	1 0	180	..	44·50	187	..
D Mayfield (Five Ashes)	Miss Emily Aston	5	1 6	300	..	42·14	212	141
D Lindfield (Oaklands)	R. H. Robertson, Esq.	5	1 6	250	..	44·08	180	146
D Uckfield (Fairwarp)	Col. A. E. Barchard	5	0 10	475	..	45·74	211	155
Oldlands Hall	(R) F. Eckstein, Esq.	8	3 0	400	..	52·32	..	156
d Horsted Keynes (Holy Well P.S.)	F. Martin, Esq., C.E.	8	1 9	124	..	44·05	..	156
D Ardingly (Lywood House)	G. Forrester Scott, Esq.	5	0 9	240	..	43·82	213	145
D Ardingly (Wakehurst Place)	G. W. E. Loder, Esq.	8	1 3	437	..	48·81	217	149
D Horsted Keynes (Birchgrove)	F. Martin, Esq., C. E.	5	1 0	400	..	43·54	208	148
D Balcombe (Lullings)	Mrs. M. Holland	5	1 0	348	..	47·59	200	156
D Balcombe (The Gables)	Mr. G. J. Warren	8	1 3	358	..	49·98	216	171
D Balcombe (Stockcroft)	R. Newton, Esq.	5	1 1	341	..	47·02	206	153
D Balcombe (Waterworks)	F. Martin, Esq., C. E.	8	1 0	471	..	46·67	171	158
D Balcombe (Highley Manor)	Mr. B. T. Brooks	8	1 6	420	..	48·41	216	163
D West Hoathly (Stonelands)	J. Godwin King, Esq.	5	1 0	450	..	47·23	185	144
5.—CUCKMERE & C. 189 sq. mi.								
D Eastbourne (West Lodge)	Miss E. K. Beauford	5	1 2	120	..	38·87	192	154
D Eastbourne (Wilmington Sq.)	Dr. W. G. Willoughby	5	1 0	35	30·7	38·23	186	141
D Eastbourne (Motcombe Gdns) (A)	Major L. Roseveare, C.E.	11	1 7	59	..	38·60	170	139
D Eastbourne (Arundel Road)	Miss G. J. Woodd	8	1 6	86	..	41·12	197	150
D Eastbourne (Arundel Road)	J. C. Wright, Esq.	5	1 0	70	..	39·30	180	131
D Friston	A. Wilkins, Esq.	8	1 0	104	..	38·64	205	152
D Jevington	A. Wilkins, Esq.	8	1 0	274	..	42·91	206	163
D Litlington	A. Wilkins, Esq.	8	1 0	19	..	39·83	170	143

DIVISION II.—SOUTH-EASTERN COUNTIES—(*con.*)

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with .01 in. or more.	Days with .04 in. or more.
SUSSEX—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—CUCKMERE & C.—(*con.*).								
D Willingdon Sewage Farm	R. W. Fovargue, Esq.	5	1 0	24	..	40·35	162	146
D Pevensey Pumping Station	R. W. Fovargue, Esq.	5	1 0	12	..	36·38	171	147
D Pevensey Bay (Beach House)	J. H. Anderson, Esq., C.E.	5	1 5	21	..	34·65	177	133
D Pevensey Bay Pumping Station	R. W. Fovargue, Esq.	5	1 0	7	..	34·38	172	145
D Bexhill (Egerton Park)	H. J. Sargent, Esq.	8	1 0	12	..	34·85	176	143
d Bexhill (Lunsford Cross)	W. Tattersall, Esq.	8	1 0	150	..	39·05	..	..
D St. Leonards (Gensing Gardens)	W. Ruskin Butterfield, Esq.	8	1 0	178	28·4	41·23	219	160
d St. Leonards (Thorndene)	Miss Agnes E. Tait	5	1 0	200	..	(39·88)	..	..
D Hailsham (North Street)	R. Matthews, Esq.	5	1 0	105	..	41·29	205	143
d Hurstmonceaux Place	H. A. James, Esq.	5	1 1	83	..	38·10?	..	134
D Hailsham (Magham Down)	E. M. Bear, Esq.	5	1 0	90	..	41·01	169	140
D Hastings (Newgate) (R)	The Engineer	8	5 6	240	..	36·36	173	132
D Hastings (Halton Reservoir)	The Engineer	5	1 0	300	..	38·69	176	143
D Hastings (Fairlight Reservoir)	The Engineer	5	1 0	523	..	38·27	169	145
D Ninfield (Hazard'sGrnPmp.St.)(R)	E. Pollard, Esq.	8	0 10	74	..	34·86	205	137
D Battle (Forewood W.W.)	The Engineer	5	1 0	46	..	37·95	178	139
D Battle (Campfield)	Lt.-Col. G. A. Yool	5	1 0	179	..	40·50	186	149
D Hellingly (Burlow)	G. Berry Hamlin, Esq.	5	1 0	209	..	42·33	206	152
D Horeham Road (Coxlow)	Miss P. C. Harrison	5	1 0	260	32·2	41·72	199	145
D Horeham Rd.(Hollycroft Cott.)	J. Hamlin, Esq.	5	1 0	300	..	43·78	200	149
D Horeham Road (Holmwood)	Rev. G. T. Maw	5	0 6	380	..	42·38	180	155
D Heathfield (The White Cottage)	J. F. Leigh Clare, Esq.	5	1 0	500	..	42·73	189	153
6.—ROTHER. 194 sq. mi.								
D Westfield Vicarage	Rev. E. J. Morgan	5	5 6	101	..	39·83	198	146
D Brede Pumping Station	The Engineer	8	1 0	37	..	39·45	165	142
D Battle (Netherfield)	Thos. W. C. Terry, Esq.	5	1 0	420	..	45·04	206	152
D Udimore (The Wick)	Major R. P. Mair	8	1 0	92	..	37·55	162	137
D Rye (The Point)	W. Gay, Esq.	5	1 0	120	..	40·19	179	148
D Rye (Fairfield House)	W. Dawes, Esq.	5	1 1	145	..	39·56	178	149
D Brightling Park	T. P. Tew, Esq.	5	1 0	545	..	48·40	199	152
D Peasmarsh(The Place House)	Lt.-Col.G.W.Liddell,D.S.O.	8	2 6	200	..	41·09	184	140
D Peasmarsh (Woodside)	A. W. Rickards, Esq.	5	0 11	100	..	41·72	177	149
D Beckley (Little Harmers)	B. E. de N. Ramus, Esq.	5	1 0	160	..	46·41	219	154
D Heathfield (TottingworthPark)	Mr. J. Masson	5	1 0	500	..	50·40	198	158
D Northiam (Great Dixter)	N. Lloyd, Esq., O.B.E.	8	1 0	209	..	40·54	178	148
D Ticehurst (Stonegate)	W. J. Wheeler, Esq.	5	1 0	230	..	45·92	214	157
Hurst Green (Boarzell)	Sir F. W. Fison, Bart.	8	1 0	271	..	(41·17)	(192)	..
7.—MEDWAY. 117 sq. mi.								
D Rotherfield (Horsegrove Fm.)	F. W. Shaw, Esq.	5	1 0	528	..	47·49	202	157
D Crowborough (Tudor Lodge)	F. Holroyd, Esq.	5	1 0	620	..	47·76	211	157
D Crowborough (Jarvis Brook)	Crowborough Water Co.	5	1 0	325	..	47·51	194	156
D Crowborough (Uckfield Lodge)	Mrs. A. M. Driberg	8	1 0	796	36·0	50·36	188	161
d Crowborough (Te Whare)	Miss R. Haines	5	1 0	796	..	(48·51)	..	..
D Wadhurst (Lower Cousley Wd)	F. Wilkin, Esq.	5	1 0	416	..	40·78	195	141
D Forest Row (Wych Cross Place)	D.W.Freshfield,Esq.,D.C.L.	5	1 0	600	..	50·60	186	152
D Forest Row (Hindleap Lodge)	Mr. A. Adam	5	1 6	620	..	49·93	194	161
D Forest Row(Coleman's HatchVic)	Rev. H. C. B. Foyster	5	0 8	300	..	45·21	221	156
Forest Row (Charlwood Farm)	A. Hoare, Esq.	5	2 0	350	..	48·25	..	160
E. Grinstead (Brambletye)	Major G. Larnach-Nevill	5	0 7	420	..	44·99	158	133
D Frant (Hazelhurst)	J. H. A. Love, Esq.	5	1 3	450	..	42·73	192	152
D Frant (Henley House)	Rev. E. Malden	5	1 6	440	32·3	44·23	204	151
d Frant (Eridge Castle)	Mr. A. Wilson	5	2 0	400	..	43·03	..	165
d Frant (Highfield)	H. S. Eeles, Esq.	5	2 3	413	..	42·29	..	..
D Groombridge (Crossways)	Capt. D. P. A. Gray	5	0 11	260	..	42·24	197	140
D Tunbridge Wells (Frant Road)	A. G. Robins, Esq.	5	1 0	430	..	45·23	200	151
D Crawley Down (The Grange)	T. H. W. Buckley, Esq.	5	0 9	430	..	44·97	199	151
D E. Grinstead (Brockhurst Obsy)	W. S. Franks, Esq.	8	1 0	435	32·9	45·35	233	153
D Wadhurst (Downgate)	E. P. Gatty, Esq.	5	1 6	300	..	43·63	183	147

DIVISION II.—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
SUSSEX—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
8.—THAMES—Mole. 27 sq. mi.								
D Turners Hill (Hill House)	Miss R. M. Ravenshaw	8	1 6	477	..	47·45	204	156
D Worth (Worth Lodge)	C. W. Nix, Esq.	5	1 0	340	31·9	43·25	215	149
d Crawley (The Beeches)	N. Longley, Esq.	8	1 0	220	..	(41·93)	(173)	(145)
9.—THAMES—Wey. 10 sq. mi.								
D Milland House	S. Thompson, Esq.	5	1 0	425	..	44·54	197	144
D Liphook (Ripsley)	W. D. Bosanquet, Esq.	5	1 0	400	..	47·58	194	155
HAMPSHIRE. (Area 1,622 sq. mi.)								
1.—ISLE OF WIGHT. 150 sq. mi.								
D St. Catherine's Point	The Chief Officer	8	0 8	..	..	37·12	174	137
D Blackgang (H.M. Coastguard)	Mr. H. W. Hawkes	5	1 0	420	..	36·29	172	125
D Ventnor (Flint Cottage)	J. S. Ineson, Esq.	5	1 0	99	..	37·36	176	132
D Ventnor (Royal National Hos.)	Miss N. G. Abercrombie	5	1 0	59	28·9	37·61	184	134
D Ventnor (Public Park)	Ventnor U.D.C.	5	1 0	196	..	33·44	165	122
D Ventnor (Fern Bank)	A. W. Jolliffe, Esq.	5	1 5	250	..	40·38	184	140
D Godshill (Daffodil Valley Farm)	S. Lunniss, Esq.	5	1 0	195	..	45·22	168	138
D Shanklin (Pomona Road)	The Town Surveyor	8	1 7	199	..	43·74	187	137
d Brighstone Rectory	Miss I. M. Silver	5	1 0	140	..	41·08	..	135
d Brighstone (Pitt Place)	A. A. H. Wykeham, Esq.	5	1 7	200	..	39·41	..	125
D Sandown	The Surveyor	8	1 0	13	..	37·21	228	137
D The Needles (Golf Club)	Mrs. G. E. Newnham	5	1 0	300	..	33·71	182	123
D Totland Bay (Aston House)	J. Dover, Esq.	8	1 0	140	28·5	34·53	174	131
D Freshwater (Pumping Station)	J. Dover, Esq.	8	1 0	20	..	35·50	174	131
D Newport (The Mall)	J. F. Jackson, Esq.	5	1 0	48	..	42·25	181	137
D Ryde (Perivale)	Major E. C. Murray	5	1 3	173	..	41·04	189	130
D Ryde (Buckland Grange)	Lt.-Col Sir Hugh Daly	5	1 0	90	..	38·46	238	139
D Ryde (Esplanade Gardens)	B. F. Holness, Esq., C.E.	5	1 9	12	..	35·59	177	125
D Wootton (Fernhill)	Major C. G. Brodie, M.C.	8	1 0	118	..	38·59	186	131
D Wootton (Oak Lawn)	R. W. Hutton, Esq.	5	0 9	80	..	39·32	180	139
D East Cowes (Spring Hill)	Sir George Shedden	5	1 0	123	..	34·86	169	128
D Cowes W.W. (Broadfields)	J. W. Webster, Esq., C.E.	5	1 0	161	..	35·67	175	134
2.—STOUR. 32 sq. mi.								
Bournemouth (Pleasure Gdns).	C. Dales, Esq.	5	1 0	10	..	30·11	179	130
D Bournemouth (East Cliff)	Dr. F. G. Penrose	8	1 0	120	..	31·87	183	122
D Bournemouth (Rodney House)	S. Hyla Greves, Esq.	5	1 0	145	..	33·46	175	131
D Bournemouth (Vale View)	C. Dales, Esq.	5	1 0	145	31·5	32·38	188	134
D Bournemouth (Howard Road)	E. D. Shawfield, Esq.	5	1 8	117	..	35·94	182	137
d Christchurch (Air Compressing Sta.)	Borough Surveyor	5	0 10	6	..	30·61	..	128
D Christchurch (Heron Court)	The Earl of Malmesbury	9	1 2	25	..	37·19	178	141
D Ringwood (St. Leonards)	S. O. Ferry, Esq.	5	1 0	60	..	34·57	195	137
D Ringwood (St. Leonards)	J. F. Turner, Esq.	8	1 0	62	..	39·39	199	147
3.—EAST AVON & C. 114 sq. mi.								
D Christchurch (Harrow Lodge)	R. C. Bacon, Esq.	8	2 0	135	..	38·84	211	144
D Ringwood (Bisterne)	Major J. D. Mills	8	1 2	45	..	38·20	191	140
D Ringwood (Ashley)	Miss M. E. Williams	5	1 0	100	..	43·44	250	150
D Crow Hill (Ringwood)	Mrs. H. F. Rawstorne	5	1 0	250	..	39·40	201	144
d Ringwood (Grey Friars)	R. W. Christy, Esq.	5	1 0	50	..	37·07	154	135
D Fordingbridge (Cuckoo Hill)	Heywood Sumner, Esq.	5	1 0	150	..	40·96	203	150
D Fritham (Fritham House)	H. H. S. Northcote, Esq.	5	1 0	399	..	43·45	194	149
Fordingbridge (Dockens)	E. W. Poore, Esq.	8	1 0	140	..	40·27	187	141
D Fordingbridge (Oaklands)	S. B. Rake, Esq.	8	1 0	135	31·7	40·96	217	141
4.—TEST & SOLENT. 551 sq. mi.								
D Milford-on-Sea (Salt Grass)	A. C. G. Heygate, Esq.	5	1 0	6	..	34·30	169	135
D Lymington (The Salterns)	P. A. Ouvry, Esq.	5	1 0	4	..	33·62	183	137
D Lymington (Woodmancote)	Major G. M. Harding	5	1 0	70	..	35·47	193	136
D New Milton (White Cottage)	Rev. W. M. Furneaux, D.D.	5	0 8	105	..	35·98	180	140
Sway (Gordleton)	W. F. Wright, Esq.	5	1 6	105	..	36·45	184	138
D Sway (Sway Wood)	J. Dixon, Esq.	5	1 0	150	..	39·65	185	146

DIVISION II.—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with .01 in. or more.	Days with .04 in. or more.
HAMPSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—TEST & SOLENT—(*con.*).								
D Boldre (Battramsley Close)	Dr. H. A. Des Voeux	5	0 7	119	..	37·16	208	145
d Beaulieu (Drokes)	Col. D. A. Mills	5	1 0	45	..	34·24	..	130
D Brockenhurst (Setley)	Col. C. Mansel-Jones	5	1 0	145	..	39·72	179	146
D Calshot (Seaplane Station)(+A)	The Meteorological Office	8	1 0	12	25·5	31·53	178	124
D Burley (Sandys)	G. Mason, Esq.	5	1 0	150	..	39·54	185	141
d Fawley (Cadland Park)	L. Smith, Esq.	8	4 6	52	..	35·34	..	..
D Lyndhurst (Deerhurst)	Ralph Paget, Esq.	5	1 0	250	..	42·82	178	146
D Lyndhurst (Allum Green)	Miss S. R. Fenwick	5	0 8	125	..	44·49	194	149
D Hythe (Dibden House)	Lt.-Col. H. W. Kettlewell	5	0 6	85	..	39·74	201	145
D Totton (Shorne Hill)	Capt. J. H. W. Rennie	5	1 0	130	..	41·02	208	150
D Southampton (East Park)	Col. E. M. Jack, R.E.	8	1 0	66	30·9	36·98	200	145
M Southampton Common Res.	E. C. Rodda, Esq., C.E.	5	1 0	193	..	34·11	..	..
D Cadnam (Copythorne House)	N. M. Lawrence, Esq.	5	1 0	150	..	39·96	209	148
D Romsey (Embley Gardens)	J. J. Crosfield, Esq.	5	1 0	130	..	37·45	186	142
D Romsey (Harefield)	Lt.-Col. W. J. Langford	5	1 0	120	..	35·75	163	144
d Melchet Court	Mr. W. Petty	5	3 6	214	..	35·96	..	..
D Romsey (Timsbury Manor)	A. R. Wilson-Wood, Esq.	..	..	..	..	35·32	175	135
D Romsey (Timsbury)	E. C. Rodda, Esq., C.E.	8	1 8	96	..	37·83	198	136
D Horsebridge (Bossington House)	Mrs. Mansell-Jones	8	0 9	98	..	39·54	185	147
D Upper Somborne (Clock Ho.)	Mr. C. Alleway	8	1 0	250	..	37·37	185	142
D Broughton	W. Steele Tomkins, Esq.	5	5 0	130	..	37·80	164	144
D Stockbridge (Houghton Lodge)	Mr. G. Morris	5	1 0	112	..	37·45	172	153
D Crawley (Chilbolton Down)	R. Hargreaves, Esq.	8	1 2	350	..	40·79	190	144
D Wonston (Upton House)	H. J. Gardiner, Esq.	5	1 0	229	..	40·33	202	146
D Andover (Sewage Works)	W. C. Jerome, Esq.	8	1 0	..	..	39·52	186	143
D Andover (Hatherden)	E. E. Leader, Esq.	5	1 3	350	..	40·99	184	150
D Fyfield Rectory	Rev. E. K. R. Reynolds	5	1 3	255	..	38·15	198	148
D Whitchurch (The Yews)	C. Echlin Gerahty, Esq.	5	1 0	230	..	41·10	218	155
D St. Mary Bourne (Bournside)	Prof. C. V. Boys, F.R.S.	5	1 0	300	..	42·02	209	145
D St. Mary Bourne (Spring Hill)	Mrs. H. A. Boys	5	1 4	300	..	39·29	165	146
D Worting (Manydown Park)	(R)Col. A. S. Bates, D.S.O.	8	4 0	415	..	44·97	182	152
Hurstbourne Tarrant (Rookery)	R. E. C. Burder, Esq.	5	1 0	331	..	43·02	208	146
D Whitchurch (Dunley Manor)	Sir Alfred Herbert	5	3 4	500	..	42·84	197	154
D Vernham Dean (Rowe House)	Mrs. E. H. Gamble	5	0 7	620	..	44·28	195	150
5.—ITCHEN & SPITHEAD. 422 sq. mi.								
D Alverstoke (Monckton House)	Major J. Blake	5	1 3	15	..	35·09	185	135
Alverstoke (Glencoe)	J. G. Thomas, Esq.	5	1 3	20	..	34·01	198	135
D Portsmouth (Eastney)	R. J. Jenkins, Esq., C.E.	8	0 6	16	..	30·14	153	120
D Portsmouth (Victoria Park)	Dr. A. Mearns Fraser	5	1 0	15	27·7	33·99	175	139
D Hayling Island (Richmond Ho.)	E. S. McEuen, Esq.	5	1 2	16	..	34·28	176	131
D South Havling (C. of E. School)	H. J. Earney, Esq.	5	1 6	10	..	33·13	155	124
D Lee-on-Solent(EdinburghHoSch)	Trevor J. Tatham, Esq.	5	1 0	15	..	33·81	169	133
D Hook-cum-Warsash	E. M. Biggs, Esq.	5	1 0	..	..	34·19	154	137
D Portchester (Noel Cottage)	Miss R. M. Frost	5	2 2	..	..	33·00	155	125
D Titchfield	Capt. E. H. Buxton	5	0 10	25	..	35·16	186	136
D Fareham (Fareham House)	W. S. Stevenson, Esq., M.D.	5	1 6	30	..	35·75	161	131
D Fareham (Roche Court)	Admiral Sir W. de Salis	5	1 0	103	..	38·82	194	143
D Lee-on-Solent (Hillhead)	I. Hammond, Esq.	5	1 0	15	..	32·60	184	135
D Havant (Farlington)	D. Halton Thomson, Esq.	5	1 0	77	25·5	33·98	186	136
D Havant (Portsmouth W.W.)	D. Halton Thomson, Esq.	5	1 0	25	26·7	34·47	183	132
Purbrook (The Haven)	Mr. D. R. McLaren	9	0 10	..	..	40·29	..	..
D Netley (Lake House)	Miss Pennington	8	1 0	54	..	35·80	204	137
D Cowplain (Forest View)	H. C. Pearson, Esq.	5	5 0	222	..	41·08	200	136
d Wickham (The Lower House)	M.-Gn.Sir C. H. Powell, K.C.B.	5	1 4	100	..	39·50	..	140
D Wickham (Park Place)	(R) Major A. F. Clifford	8	1 10	150	..	38·72	180	139
D Southampton(Corporation Whf.)	J. A. Crowther, Esq., C.E.	5	6 0	10	..	34·45	186	134
D Southampton (Portswood)	J. A. Crowther, Esq., C.E.	5	1 9	10	..	37·35	177	138
Botley (Brook House)	Beckett Powell, Esq.	5	3 2	45	..	39·65	..	..
D Botley (Botley Hill)	Lady Jenkyns	5	1 6	36	..	39·47	191	148

DIVISION II.—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
HAMPSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—ITCHEN & SPITHEAD—(*con.*).								
D Botley (Uplands Farm)	Wilmot H. Yates, Esq.	5	1 0	60	..	39·36	206	148
D Curdridge (Beechcroft)	Miss L. M. S. Pasley	5	1 0	96	..	39·22	216	148
D Curdridge (Kitnocks House)	Major C. F. Randolph	5	0 6	185	..	39·71	214	149
D Swanmore (Holywell House)	Mrs. M. Portal	5	1 0	175	..	42·05	199	159
D Soberton (Mislingford)	E. T. Hildred, Esq., C.E.	5	1 0	136	..	41·04	182	139
D West End (Oaklands)	Capt. P. C. Pearson, R.N.	5	1 0	45	..	39·55	189	145
D Bishops Waltham (Park Ho.)	A. F. Hardy, Esq.	5	1 3	170	..	37·81	192	137
Swanmore House	W. H. Myers, Esq.	5	1 2	390	..	45·88	184	148
D Droxford (Uplands)	Miss A. M. Bridge	5	1 0	279	..	46·29	217	148
D Droxford (Fairfield House)	H. Hamilton Bridge, Esq.	5	0 9	254	..	44·74	212	147
D Droxford (Fir Hill)	Capt. Mackenzie-Grieve, R.N.	5	3 6	212	..	41·19	203	160
d Droxford (Stoke Wood)	W. T. Gullick, Esq.	5	1 0	450	..	42·47	..	132
D Petersfield (Ditcham Park)	C. J. P. Cave, Esq., J.P.	8	1 0	555	..	48·66	234	150
D Fair Oak (Fisher's Pond)	W. Clark, Esq.	5	1 0	91	..	38·58	171	139
D Otterbourne (W.W. Shawford)	E. C. Rodda, Esq., C.E.	5	1 0	113	..	38·28	188	138
D Owslebury Vicarage	Rev. A. E. Briggs	5	1 1	376	..	38·80	197	151
D Twyford (Pumping Station)	E. C. Rodda, Esq., C.E.	8	1 9	139	..	38·53	191	143
D Twyford (Mallards Close)	G. R. Marsh, Esq.	5	1 0	153	..	38·43	191	142
East Meon (Burnside)	H. A. Gilmour, Esq.	5	1 5	..	..	46·53	..	..
D Winchester (Shawford)	J. A. Rooke, Esq.	5	1 0	300	..	39·65	193	143
D Owslebury (Longwood Ho.)	Mr. H. Johnson	5	1 0	450	..	41·13	188	146
D Hursley Park (R)	Sir G. A. Cooper, Bart.	10	1 6	240	..	39·06	157	136
D Compton (Kennington)	J. Durst, Esq.	5	1 1	250	..	38·06	182	141
d Compton (Close)	A. M. Heathcote, Esq.	5	0 10	230	..	38·90	162	134
w Kilmeston Manor	W. J. Heathcote, Esq.	5	4 6	323	..	41·66	..	..
Petersfield (Broadhanger)	Mrs. R. M. Caulfeild	5	1 0	730	..	51·11	204	..
D Winchester (East Hill)	Mrs. E. Wilde	5	1 0	256	..	37·87	216	144
D West Tisted Manor	Capt. Nelson Zambra, M.C.	5	1 3	650	..	48·66	199	149
D Ropley Vicarage	Rev. H. W. C. Geldart	5	0 10	350	..	41·84	197	148
D East Tisted (Rotherfield Park)	Capt. J. B. Scott	5	1 0	550	..	51·07	174	141
d Ovington Rectory	Rev. H. L. Atkins	5	1 0	221	33·2	46·30	153	147
D Alresford (Perin's Grammar Sch.)	G. T. McKay, Esq., M.Sc.	5	1 0	264	..	40·80	183	134
D Itchen Abbas (Chilland)	W. J. Arnold, Esq.	5	1 3	200	..	41·33	230	153
D Old Alresford (The Gables)	A. E. Broad, Esq.	5	1 0	300	..	39·03	182	140
D Worthy Down (Aerodrome) (+A)	Meteorological Office	8	1 0	273	..	40·36	205	146
6.—ARUN. 32 sq. mi.								
d Petersfield (Buriton House)	Major A. Bonham-Carter	5	1 6	300	..	(47·54)	..	..
D Petersfield (Weston)	Capt. P. W. Seward	5	1 0	330	..	51·76	175	154
D Petersfield (Stoner Hill) (+A)	C. J. P. Cave, Esq., J.P.	5	1 0	748	..	52·75	212	158
D Liss (Easton)	Miss E. Barton	5	1 0	500	..	44·67	202	151
D Liss (Heathmount)	R. A. Bosanquet, Esq.	5	3 6	461	..	46·08	194	144
D Liss (Berry Grove House)	Col. A. de B. V. Paget	5	1 1	250	..	45·30	181	141
D Liss (Kippences)	Rev. W. A. H. Thorold	5	0 9	250	..	48·65	195	143
D Liss (Hawklev Hurst)	T. Clive Davies, Esq.	5	0 11	422	..	52·40	222	165
D Greatham (Manor House)	Miss I. L. Coryton	5	0 7	250	..	46·28	183	144
D Greatham (Le Court)	Sir Heath Harrison, Bart.	5	0 9	350	..	47·96	204	155
7.—THAMES—Wey. 92 sq. mi.								
d Liphook (Hammershott)	Mrs. G. H. Trollope	5	1 0	400	..	44·47	..	144
D Newton Valence Vicarage	Rev. A. C. Maclachlan	5	1 0	586	..	45·93	235	154
D Newton Valence Place (R)	Rear-Adl. E. Jervoise, C.B.E.	8	1 5	615	..	43·74	221	153
D Selborne (The Wakes)	Mrs. Bibby	5	1 0	400	..	47·04	212	153
D Grayshott	Mrs. Lyndon	5	1 0	661	33·2	48·11	207	152
D Alice Holt Forest	Office of Woods	8	1 0	264	..	41·49	198	139

DIVISION II.—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with .01 in. or more.	Days with .04 in. or more.
HAMPSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
8.—THAMES—Loddon. 164 sq. mi.								
d Swainshill	S. G. Weller, Esq.	5	3 0	..	..	41·79	..	127
D Long Sutton (Agric. Coll.)	The Warden	5	1 0	479	..	37·28	181	136
D South Warnborough (Vine Cot.)	Mrs. Gawne	5	0 11	416	..	40·86	181	150
D Upton Grey (Hoddington Ho.)	Lord Basing	8	1 0	378	..	47·61	184	148
D Aldershot (Sewage Works)	Dr. G. W. Routley	5	1 0	231	..	36·13	197	152
D Greywell (Pumping Station)	S. G. Weller, Esq.	5	2 6	266	..	34·99	240	155
D Hook (Nately Hatch)	R. C. Mallock, Esq.	5	1 0	328	..	37·41	208	144
D Sherborne St. John	Rear-Admiral A. S. Lafoné	5	1 0	260	29·0	40·77	187	146
D Farnborough School	R. A. Ingram, Esq.	5	1 2	250	..	35·81	166	139
D Hartley Wintney	Sanitary Inspector, R.D.C.	5	0 5	202	..	35·48	168	128
D South Farnborough (R.A.E.)(+A)	The Meteorological Office	8	1 0	230	26·1	38·32	192	139
D Winchfield (Elvetham Park)	Mr. T. J Brownjohn	8	1 0	217	..	37·97	194	135
D Bramley (Street Farm House)	F. Walkinshaw, Esq.	8	1 0	227	..	46·55	193	162
D Stratfield Turgis (Byland's)	Miss D. Page-Roberts	5	0 8	218	..	37·93	215	153
D Heckfield (Park Corner)	Miss V. Martineau	5	1 2	257	24·3	33·76	201	125
9.—THAMES—Kennet. 65 sq. mi.								
D Wolverton (Ewhurst Park)	Mr. H. J. Beckingham	5	1 6	500	..	41·63	219	161
D Highclere (Castle Gardens)	Mr. A. W. Blake	5	1 6	500	..	48·22	204	162
D Highclere (Black Ford)	W. A. Turner, Esq.	5	1 0	439	..	43·54	179	146
D Highclere (Adbury Pk. Gdns.)	Mr. C. Street	5	1 0	350	..	41·53	207	149
BERKSHIRE. (Area, 722 sq. mi.)								
1.—TEST. 2 sq. mi.								
2.—THAMES—Bourne. 15 sq. mi.								
Frognal (Sunninghill)	Mr. D. Chaplin	5	1 0	200	..	36·46	..	..
D Ascot (Heatherwood Hospital)	The Medical Superintendent	5	1 0	320	..	34·79	186	139
3.—THAMES—Loddon & c. 162 sq. mi.								
Finchampstead (Manor Farm)	M. B. Powell, Esq.	5	1 6	238	..	35·54	..	..
D Wellington College	A. L. Payne, Esq.	5	1 0	290	26·4	33·64	197	148
D Broadmoor Asylum	The Medical Superintendent	5	1 0	400	..	35·36	153	134
D Wokingham	C. W. Marks, Esq.	5	1 0	174	..	32·75	187	137
d Wokingham (Appin Lodge)	Rev. W. N. Blakeney	8	0 10	200	..	33·39	..	..
D Bracknell (Hillside)	Mrs. Littlewood	5	1 0	207	..	35·41	175	139
D Winkfield (Ryemead)	Mrs. Aubrey Elliott	5	0 10	220	..	34·49	198	141
D Winkfield (Maidens Green)	R. Crosbie-Hill, Esq.	5	1 0	210	..	33·69	190	135
D Windsor (Royal Gardens)	Mr. C. H. Cook	5	1 0	88	24·9	32·23	195	138
D Windsor (Bicton)	Miss M. G. Cookson	8	1 0	88	..	34·24	181	143
Pinkney's Green (Pinkney's Ldge)	R. P. Lord, Esq.	5	0 10	240	..	34·35	..	..
D Remenham Hill (Wedmore)	Lt.-Col. C.D.Burnell, D.S.O.	5	1 0	300	..	37·84	194	152
D Hambleden Lock	Mr. T. E. Wise	5	2 0	120	..	38·07	202	144
D Hurley House	Rev. W. Farrer	5	1 0	105	..	32·80	175	137
4.—THAMES—Kennet & c. 224 sq. mi.								
D Inkpen (Willows)	G. C. Goodhart, Esq.	5	2 0	475	..	45·64	181	150
D Hampstead Marshall (Redhill)	Mrs. Lewis	5	1 0	400	..	43·24	178	151
D Mortimer (Wokefield Park)	A. Palmer, Esq.	5	4 0	220	..	35·07	184	130
D Mortimer (Oakfield)	Rev. G. G. Skipwith	6	1 0	..	..	33·70	196	132
D Brimpton (Stonehouse)	F. Hadden, Esq.	5	0 7	350	..	39·18	187	145
Kintbury (Wallingtons)	A. S. Gladstone, Esq.	5	0 9	360	..	41·00	..	..
D Newbury (Greenham Common)	H. L. Bowman, Esq., D.Sc.	5	1 0	327	29·0	40·26	202	151
d Newbury (Greenham Ldge. Gar.)	Mr. C. Dalby	5	2 0	345	..	41·82	..	..
D Newbury (Wash Hill)	C. F. B. Marshall, Esq.	5	1 0	360	..	44·52	220	163
D Newbury (Andover Road)	J. H. Spackman, Esq.	5	1 0	344	..	43·81	240	159
D Shinfield (University Col. Farm)	Dr. J. A. Crowther	5	1 0	200	..	33·59	188	137
D Bucklebury Place	Dr. Carl Langer	5	1 0	409	..	36·29	199	143
D Reading W.W. (Bath Road)	L. C. Walker, Esq., C.E.	5	1 8	218	..	33·72	191	137
D Reading (Forbury Gardens)	A. S. Parsons, Esq., C.E.	5	1 5	143	24·9	33·58	191	135

DIVISION II.—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge: Dia n.	Height of Rim above Ground	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
BERKSHIRE—(*con.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
4.—THAMES—Kennet & c.—(*con.*)								
D Reading (University College)	Dr. J. A. Crowther	5	1 0	152	..	33·78	189	136
D Reading (Alexandra Road)	W. Haynes, Esq.	5	1 0	170	..	33·88	180	130
D Reading (Waverley Road)	W. E. Austen, Esq.	5	1 0	..	..	36·11	186	135
Reading (Caversham Lock)	The Thames Conservancy	5	1 6	123	..	32·20	173	131
5.—THAMES—Ock & c. 319 sq. mi.								
D Reading (Englefield)	J. H. Benyon, Esq.	5	1 0	175	27·4	36·30	181	142
D Hermitage (Oare)	F. Bateson, Esq.	5	1 0	450	..	38·13	202	147
d Lower Basildon (Estate Office)	Maj. J. A. Morrison, D.S.O.	8	1 0	..	..	38·29	..	..
D Upton (Manor House)	Miss Fry	5	1 0	240	..	34·66	208	147
D Wantage Vicarage	Rev. A. Gossage Robinson	5	0 9	312	..	35·61	218	145
D Uffington Vicarage	Rev. E. M. Hadow	5	1 0	287	..	36·91	205	144
Steventon (Milton Hill)	R. H. Betteridge, Esq.	5	1 6	300	..	34·55	..	..
D Wallingford (St. Leonard's R.)	Rev. A. Simmons	5	1 0	142	..	33·62	177	136
D Wallingford (Woodlea)	G. F. Slade, Esq., M.B.E.	5	0 9	200	..	33·66	189	152
D Wallingford Castle	Miss Hedges	5	1 6	175	..	33·30	187	143
D Wallingford (Style Acre)	A. L. Morphew, Esq.	5	1 4	220	..	35·52	183	147
D Abbots Wittenham Rectory	Rev. W. F. B. Ward	5	1 0	190	..	32·23	191	139
D Long Wittenham (Willington)	H. J. Hewett, Esq.	5	1 0	167	..	35·54	187	148
D Faringdon (The Nurseries)	Messrs. R. Tucker & Sons	5	1 0	400	..	39·53	182	147
D Abingdon (Twickenham House)	G. Saxby, Esq.	5	13 0	197	..	31·88	170	139
D Abingdon (The Firs)	Miss G. G. Challenor	5	1 3	200	..	33·99	187	139
D Abingdon (Donnington)	R. W. Langford, Esq.	,	1 6	199	..	36·86	192	142
D Abingdon (Northcourt House)	M. T. Tatham, Esq.	5	1 0	190	..	32·67	185	129

DIVISION III.—SOUTH MIDLAND COUNTIES.

MIDDLESEX. (Area, 232 sq. mi.)

1.—THAMES—Colne & Brent. 185 sq. mi.

Weybridge (Shepperton Lock)	Thames Conservancy	5	1 0	41	..	30·94	160	125
D Hampton Waterworks	Met. Water Board	5	1 0	27	..	31·66	175	128
D Hampton (The Manor House)	J. Hughes, Esq.	5	2 0	43	..	29·79	151	123
d Teddington (Holmesdale)	E. J. Allcard, Esq.	5	4 2	25	..	33·70	168	143
D Staines Reservoir (West Side)	Met. Water Board	5	1 6	53	..	32·33	215	135
D Staines Reservoir (East Side)	Met. Water Board	5	1 6	53	..	33·67	215	138
D Twickenham (Sewage Works)	F. W. Pearce, Esq., C.E.	5	1 7	37	..	31·79	164	119
d Wyrardisbury River	J. G. Heaslip, Esq.	5	1 0	73	..	29·28	..	..
D Sipson (Hollycroft)	Mr. J. Mitchell	,	1 0	94	..	32·78	168	147
D Kew Bridge (Waterworks)	Met. Water Board	5	1 0	36	..	33·19	167	132
d Chiswick (Turnham Green)	E. Willis, Esq., C.E.	8	1 0	21	..	32·71	..	..
D Ealing (St. Paul's Vicarage)	Rev. A. H. Cooper	5	1 0	100	..	(32·07)	201	145
D Ealing (Longfield Avenue)	W. R. Hicks, Esq., C.E.	5	0 9	114	..	31·45	159	124
D Ealing (Gordon Road)	H. Satchell, Esq.	5	1 0	105	..	33·57	186	125
D Ealing (St. Stephen's Road)	H. W. Peal, Esq.	5	0 10	156	..	34·09	163	123
d Hillingson (Dawley Court)	Cecil De Salis, Esq.	8	0 8	100	..	32·64	..	..
D Ealing (Hanger Hill Reservoir)	Met. Water Board	5	1 0	206	..	35·95	173	145
D Perivale (Northern Sewage Farm)	W. R. Hicks, Esq., C.E.	5	0 5	56	..	34·13	189	142
D Alperton (Sewage Works)	C. R. W. Chapman, Esq., C.E.	8	1 2	80	..	33·04	190	139
d Willesden Reservoir	Met. Water Board	5	1 0	167	..	35·18	..	142
D Willesden Green (Strode Road)	Miss Lamport	5	1 0	150	..	33·60	200	145
d Willesden (Stonebridge Fm.) (R)	F. Wilkinson, Esq., C.E.	10	5 9	100	..	32·48	..	128
D Sudbury (Station Approach)	L. H. Powers, Esq.	8	1 0	153	..	33·87	189	134
D Golders Green (Dunstan Road)	Capt. A. E. Mackenzie	5	1 0	240	..	35·59	198	136
D Highgate (North Hill Depot)	W. H. Adams, Esq., C.E.	5	5 4	309	..	30·88	160	121
D Harrow (Rosebank Avenue)	C. L. Modlen, Esq.	5	1 0	200	..	32·33	176	131
D Harrow (Oakhurst)	Hugh Gardner, Esq.	5	1 0	295	..	34·29	184	137
D Harrow (Bessborough Rd. Depot)	J. P. Bennetts, Esq., C.E.	5	1 0	215	..	35·22	153	140

DIVISION III.—SOUTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
MIDDLESEX.—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—THAMES—Colne & Brent—(*con.*).								
D Hendon (Sewage Works)	A. O. Knight, Esq., C.E.	6	1 6	153	..	32·07	171	128
D Hendon (Central School)	E. Edwards, Esq.	5	1 0	200	..	34·20	199	141
d Wealdstone (Sewage Works)	H. Walker, Esq.	8	1 0	154	..	33·37	189	139
d Wealdstone (Kodak Works)	Messrs. Kodak, Ltd.	5	1 0	198	..	32·45	..	..
D Pinner (West End Lane)	Mrs. Fowler	5	1 6	165	..	35·90	194	142
d Harrow (Wealdstone House)	Miss H. O. E. Cobb	5	1 0	236	..	33·84	(183)	(137)
D Harrow Weald (Hill House)	late A. Crossman, Esq.	5	3 6	284	..	(33·66)	(188)	(144)
D Hatch End (Royston Park)	W. J. Hill, Esq.	5	2 2	286	..	35·28	..	..
D Northwood (Tandridge)	Chas. Price, Esq.	5	1 0	..	..	34·79	174	145
D Northwood (Haslemere)	Miss McBean	5	1 0	240	..	38·46	172	142
D Mill Hill (Ridgeway House)	Major N. G. Brett-James	5	1 0	375	..	34·21	183	134
D Bushey Heath (Highfield)	W.B.Worthington,Esq.C.E.	5	1 0	503	..	34·73	181	133
D Potters Bar (Mount Grace)	Mr. E. W. Halsey	5	1 3	375	..	36·51	196	145
2.—THAMES—Lea. 47 sq. mi.								
D Stroud Green (Mount View Rd.)	L. R. Bennett, Esq.	5	1 0	212	..	31·36	168	129
D Crouch End (Barrington Road)	W. H. Adams, Esq., C.E.	8	3 10	122	..	34·96	190	140
D Tottenham (Drayton Road)	Medical Officer of Health	5	1 3	51	23·3	30·87	165	134
D Hornsey (High Street)	Met. Water Board	5	1 2	107	..	(32·60)	166	132
Muswell Hill (Grand Avenue)	V. S. M. Williams, Esq.	5	1 5	317	..	34·45	..	..
D Muswell Hill (Sewage Farm)	W. H. Adams, Esq., C.E.	8	4 5	214	..	35·19	196	144
D Wood Green (Maryland Road)	Mr. F. C. Hornsey	5	1 0	110	..	30·57	175	138
D Finchley (Victoria Park)	P. T. Harrison, Esq., C.E.	5	1 0	272	..	35·94	189	146
D North Finchley	Miss M. Shoults	5	1 3	290	..	34·99	190	133
D PalmersGr.(BroomfieldPk.)(+A)	Southgate U.D.C.	8	1 0	136	..	32·68	167	135
D Southgate	Dr. A. S. Ransome	5	1 0	250	..	32·84	192	136
D Ponders End Pumping Station	Met. Water Board	5	1 0	45	..	30·77	181	133
D Enfield (Southbury Road)	Met. Water Board	5	1 0	105	24·7	32·01	189	139
D Enfield (Roselands, Turkey St.)	E. S. Rashleigh, Esq.	5	0 7	70	..	30·45	186	133
D Waltham Cross (Sewage Works)	J. E. Sharpe, Esq.	5	1 0	61	..	30·63	174	137
HERTFORDSHIRE. (Area, 635 sq. mi.)								
1.—THAMES—Thame. 10 sq. mi.								
D Tring (Akerman St.)	T. Grace, Esq.	8	1 0	450	..	38·20	219	152
Tring (Pendley Manor)	Mrs. J. G. Williams	5	2 0	420	..	32·98	216	156
D Tring (Brookfield)	Brig.-Gen. C. J. Steavenson	6	1 3	420	..	34·68	213	140
2.—THAMES—Colne & Brent. 199 sq. mi.								
D Northwood (Woodhouse Eaves)	Miss S. F. Fox, M.D.	5	1 0	400	..	37·80	200	144
D Northwood (Birshaw)	E. Preedy, Esq.	5	1 0	400	..	37·39	196	145
D Heronsgate (Sherwood)	Miss K. Felkin	5	0 11	350	..	36·86	199	150
D Bushey Heath (California La.)	C. A. Cooper, Esq.	5	0 10	500	..	37·48	174	132
Rickmansworth (CroxleyGreen)	S. Ingleby Oddie, Esq.	5	1 0	262	..	38·07	..	..
D Totteridge (West Lodge)	W. H. Newman, Esq.	5	1 0	390	..	35·41	202	142
D Barnet (Summerhill)	F. A. Milne, Esq.	5	1 0	400	..	33·96	190	133
D Barnet (Bedford Avenue)	Miss Haines	5	1 4	350	..	35·81	193	145
D Barnet (Normandy Avenue)	P. J. Neville, Esq.	5	1 0	409	..	35·37	194	142
d Elstree (Aldenham House)	Mr. E. Beckett	10	4 9	305	..	34·74	..	138
D Watford (Oxhey Grange)	J. Doyle Penrose, Esq.	5	1 0	295	..	36·80	185	136
D Watford (Colne Valley W. W.)	C. P. Sinclair, Esq.	5	1 2	200	..	36·09	191	147
d Watford (Cassiobury Pk. Av.)	E. A. Robins, Esq.	5	1 0	240	..	35·38	181	138
D Watford (Park Road)	E. J. Slinn, Esq.	5	1 6	257	..	34·32	192	133
D Heronsgate (Waterfield House)	A. J. Richardson, Esq.	5	1 0	390	..	38·03	203	147
D Sarratt (Micklefield Green)	T. O. Hickman, Esq.	5	1 0	380	..	38·09	182	145
d Shenley Grange	J. Charrington, Esq.	5	0 9	430	..	36·14	..	..
D Shenley (Kitwells)	T. H. Riches, Esq.	5	1 0	420	..	36·31	194	144
D Sarratt (Goldingtons)	P. Clutterbuck, Esq.	5	4 0	384	..	40·87	175	154
D Chipperfield (Little Callipers)	A. W. Rivington, Esq.	5	0 8	407	..	37·30	173	141

DIVISION III.—SOUTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
HERTFORDSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—THAMES—Colne & Brent—(*con.*).								
D Hemel Hempstead (Apsley Mills)	Messrs. J. Dickinson & Co.	24	1 4	268	27·9	37·25	196	145
D Colney Heath (Tyttenhanger P.S.)	J. F. Haseldine, Esq.	5	1 0	241	..	34·03	200	142
D St. Albans (Co. Mental Hosp.)	G. Goodchild, Esq.	5	1 0	295	..	32·41	173	134
D St. Albans (County Museum)	Mrs. Bullen	5	1 0	389	..	36·00	176	143
D St. Albans (Oaklands)	J. Hunter Smith, Esq.	5	1 0	272	..	32·24	189	138
D St. Albans (Gorhambury)	Mr. O. Twitchett	5	1 0	423	..	37·40	186	146
D Hatfield (Hatfield P. Stn.)	J. F. Haseldine, Esq.	5	1 0	334	..	28·48	201	104
D Berkhamsted (Rossway)	The Lady Hadden	5	1 3	590	..	33·37	245	140
D Berkhamsted (Anglefield)	E. T. Browne, Esq.	5	1 0	450	29·8	40·78	209	146
d Berkhamsted (Amersfort)	Mrs. Walter Cohen	5	1 0	510	..	38·50	..	..
D Berkhamsted Golf Club	late T. S. Wheater, Esq.	8	1 0	550	..	37·23	204	142
D Tring (Cowroast Lock)	W. Yates, Esq., C.E.	5	3 6	394	..	36·25	188	146
D Harpenden (Rothamsted) (+A)	Lawes Agricultural Trust.	8	0 9	420	26·7	33·16	203	134
D Harpenden (Rothamsted)	Lawes Agricultural Trust.	5	1 0	420	..	35·07	204	139
D Harpenden (Rothamsted)	Lawes Agricultural Trust	72×87	0 9	420	..	36·51	215	147
3.—THAMES—Lea. 340 sq. mi.								
D Hadley (Hadley Bourne)	Mrs. Weber	5	1 0	428	..	38·21	193	144
d Cheshunt (Manor House)	J. E. Sharpe, Esq.	5	1 0	83	..	31·04	..	..
D Northaw School	C. Steventon, Esq	5	1 0	400	..	31·54	163	132
D Cheshunt Yard	Met. Water Board	5	1 0	100	..	32·37	186	149
D Cheshunt (Cheshunt Park)	J. A. Wanklyn, Esq.	5	0 9	209	..	33·03	188	135
D Cheshunt (Darnicle Hill P. Stn.)	J. E. Sharpe, Esq.	5	1 0	250	..	31·78	186	151
D Hertford (Epping House)	Lady Brodie Henderson	5	0 9	400	..	33·55	186	136
d Essendon Place Gardens	J. B. Healing, Esq.	5	1 0	365	..	35·30	..	121
d Hatfield (Co. Surveyor's Office)	Lt.-Col. A. E. Prescott, C.E.	5	1 0	265	..	30·88	..	..
D Hoddesdon	H. F. Hayllar, Esq.	5	5 0	120	..	30·66	159	132
D Hoddesdon (Feilde's Weir)	Met. Water Board	8	1 7	95	..	30·93	190	145
D Haileybury College	B. M. C. Marshall, Esq.	8	1 4	270	..	32·51	188	131
D Hertford (Bayfordbury)	H. W. Clinton Baker, Esq.	8	1 2	250	..	33·11	194	139
D Stanstead Abbots (Warrax)	E. H. Barlow, Esq.	5	1 2	110	..	31·89	185	142
D Gilston Park	Mr. J. Dewhurst	8	1 0	175	..	33·66	190	149
D Welwyn Garden City	Capt. W. E. James, C.E.	5	1 0	285	..	31·21	183	135
D Hertford (Sewage Works)	Met. Water Board	8	1 0	120	..	32·88	235	135
D Ware (Red House)	Met. Water Board	5	1 0	105	..	30·61	194	128
D Ware (Chadwell Spring)	Met. Water Board	5	1 0	140	..	32·09	182	133
d Hertford (Chapmore End, Sch.)	A. L. Brackey, Esq.	5	1 0	210	..	(31·82)	..	..
D Welwyn Garden City (Valley Rd.)	Comdr. W. George Lingham	5	1 0	300	..	32·98	214	142
d Welwyn (Codicote Lodge)	Mr. G. J. Miller	5	1 0	340	..	31·99	..	133
D Much Hadham	T. Woodham Mott, Esq.	5	1 0	212	..	32·56	199	147
D Bishop Stortford (Twyford H.)	Laurie Frere, Esq.	5	0 8	181	..	30·45	198	139
Watton (Frogmore Hall)	Lt.-Col. J. B. Gilliatt, D.S.O.	5	0 9	250	..	31·05	..	137
D Standon	F. H. Wace, Esq.	5	2 0	375	..	30·40	184	136
D Benington House	Miss E. A. Parker	5	1 0	407	24·9	30·16	214	128
D Little Hadham (Hadham Hall)	W. Minet, Esq.	5	0 10	338	..	31·19	176	139
D Hitchin (Preston)	R. de V. Pryor, Esq.	8	2 6	484	..	31·85	184	152
d Buntingford (Coles)	Mrs. Bryan Laing	5	1 0	375	..	(31·90)	..	..
D Weston Park	Col. W. M. Pryor, D.S.O.	5	0 10	470	..	29·65	182	136
D Furneaux Pelham (The Brewery)	G. Warren Bindloss, Esq.	5	1 0	300	..	31·01	193	140
D Royston (Therfield Rectory)	Rev. H. R. Humphreys	5	1 0	513	25·2	31·76	196	139
4.—OUSE. 86 sq. mi.								
D Offley (School House)	C. W. Mears, Esq.	5	1 0	526	..	33·04	187	155
D Graveley Rectory	Rev. R. E. C. Walker	5	0 10	325	..	31·99	195	148
D Hitchin (Newlands)	F. Ransom, Esq.	5	1 0	271	..	31·31	202	144
D Hitchin (High Down)	Miss E. Pollard	5	1 1	421	..	30·84	227	144
d Letchworth (Roxley Ho.)	Willian) Miss H. V. Bendixson	5	1 6	375	..	28·90	..	132
D Letchworth (Gernon Road)	A. W. Brunt, Esq.	5	1 0	280	..	28·76	192	140
d Letchworth (Sollershott)	Miss Leather	5	1 0	300	..	27·47	172	130
D Letchworth (Fire Station)	The Surveyor, U.D.C.	5	1 3	290	..	30·05	212	153
d Letchworth (New Sewage Works)	The Surveyor, U.D.C.	5	1 0	195	..	(27·02)	(180)	(123)

DIVISION III.—SOUTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
HERTFORDSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—OUSE—(*con.*).								
D Baldock	Dr. Bertram Suggit	8	1 0	210	..	29·88	186	133
D Barley (Dalnyveed)	E. M. Cook, Esq.	5	1 0	300	..	28·97	175	133
D Royston (Earls Hill House)	Col. E. C. M. Phillips, D.S.O.	8	1 3	225	..	29·86	197	136
BUCKINGHAMSHIRE. (Area, 743 sq. mi.)								
1.—THAMES—Cherwell. 30 sq. mi.								
2.—THAMES—Thame. 158 sq. mi.								
D Princes Risborough	A. A. Kidson, Esq.	5	0 6	360	..	37·93	205	149
D Towersey Vicarage	Rev. H. E. Cooper	5	1 0	250	..	37·67	200	161
Ellesborough (The Springs)	J. K. Bateman, Esq.	5	1 2	400	..	34·86	..	..
D Little Kimble	Dr. L. T. Burra	5	0 10	370	..	32·69	192	146
d Cuddington School	R. Watson, Esq.	5	0 6	292	..	32·87	..	..
D Tring (Bulbourne)	W. Yates, Esq., C.E.	5	2 3	401	..	31·82	193	145
D Aylesbury (Sewage Works)	W. H. Taylor, Esq.	5	1 0	251	..	34·15	208	153
D Quainton (Quainton Cottage)	L. H. West, Esq., O.B.E.	5	1 0	350	..	29·61	176	135
3.—THAMES—Wye & c. 129 sq. mi.								
D Eton (Tangier Island)	E. A. Stickland, Esq.	5	0 6	68	..	32·34	185	135
D Slough (Upton)	R. Bentley, Esq.	5	2 0	78	23·9	31·44	190	130
D Taplow (Hitcham Grange)	Hon. C. S. Irby	5	0 9	200	..	30·96	170	135
D Henley-on-Thames (Greenlands)	Lord Hambleden	5	1 0	116	..	38·20	181	141
D Hedsor (Bourne End)	J. Wood, Esq.	8	1 0	170	..	41·55	179	151
D Dropmore Vicarage	Rev. J. H. Harvey	5	1 0	300	..	35·49	210	143
D Marlow (Thames Bank)	S. H. Wright, Esq.	8	2 0	105	..	36·03	204	155
D Bourne End	Major Forbes Holland	5	2 0	91	..	37·65	189	145
D High Wycombe (Flackwell Hth.)	E. Dickson Park, Esq.	5	1 10	365	..	36·16	191	144
D High Wycombe (Easton St.)	H. S. Wheeler, Esq.	5	0 11	253	25·9	41·58	217	156
D High Wycombe (Roy.Gram.Sch.)	The Head Master	8	1 0	545	..	(41·31)	209	144
D Penn (Woodside)	Miss E. M. T. Epps	9	0 9	500	..	39·37	210	148
D Penn (Rayners)	Mr. E. Peett	5	1 3	547	..	40·72	200	142
D High Wycombe (Totteridge)	S. Young, Esq.	5	3 6	420	..	38·69	175	140
D Hampden House	Earl of Buckinghamshire	5	1 0	695	..	38·59	199	156
4.—THAMES—Colne. 133 sq. mi.								
D Slough (Ditton Park)	G. B. Harrison, Esq.	5	2 9	70	..	31·79	176	138
D Slough (Langley)	R. H. Major, Esq.	8	0 10	85	23·9	31·68	172	131
d Slough (Seed Trial Ground)	Messrs. Sutton & Sons	5	0 9	100	..	30·85	..	..
D Gerrards Cross (Bulstrode Gdns)	Mr. G. Taylor	5	1 6	280	..	36·26	175	142
d High Wycombe (Hazlemere Sch.)	A. J. Chapman, Esq.	5	2 9	568	..	37·18	..	..
D Chalfont St. Giles (Roughw'd Pk.)	Thurston Agelasto, Esq.	5	1 0	400	..	38·92	187	146
D Amersham (The Plantation)	G. Weller, Esq.	8	1 0	464	..	36·36	191	142
D Amersham Common (Stanmore)	W. Garton, Esq.	5	1 0	517	..	40·11	208	151
5.—OUSE. 293 sq. mi.								
D Oving House	H. Yates Thompson, Esq.	5	1 0	515	28·1	35·84	205	155
D Wing (Burcott)	R. H. Ayres, Esq.	5	1 6	407	..	35·48	216	168
D Swanbourne House School	L. L. C. Evans, Esq.	5	1 0	411	..	34·69	176	147
D Mursley Hall	Lady Beecham	8	1 0	490	..	32·95	209	145
D Addington (C. of E. School)	J. H. Webster, Esq.	5	0 7	320	..	32·56	192	147
D Buckingham (Market Hill)	A. Pettipher, Esq.	5	1 6	150	..	31·40	211	144
D Wavendon (End School)	T. G. M. Watson, Esq.	5	1 2	300	..	30·37	191	152
D Stony Stratford (Calverton L.)	Lt.-Col. L. C. Hawkins	5	1 8	230	..	29·53	174	135
D Wolverton (St. George's Vic.)	Rev. Canon W. L. Harnett.	5	1 0	270	..	30·70	218	145
D Wolverton (Gables Lodge)	J. Forster, Esq.	5	1 0	264	..	31·82	233	153
d Wolverton (Council School)	E. T. Smart, Esq.	5	5 0	263		29·31	..	..

DIVISION III.—SOUTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
OXFORDSHIRE. (Area, 756 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—SEVERN—Upper Avon. 10 sq. mi.								
D Sibford Ferris (Woolman Cottage)	Joshua Lamb, Esq.	5	1 0	570	27·0	35·27	220	163
d Sibford Gower	S. N. Baker, Esq.	5	1 0	600	..	33·59	183	147
2.—THAMES—Windrush & c. 261 sq. mi.								
d Bampton (C.E. School)	E. W. Fry, Esq.	5	0 10	233	..	34·21	..	142
D Witney (Cokethorpe)	Major H. G. Feilden	5	3 0	230	..	34·04	173	156
D Leafield (Wireless Station)	Meteorological Office	8	1 0	612	27·3	36·69	213	142
d Charlbury (Cornbury Park)	Mr. B. Campbell	5	1 0	420	..	40·75	..	..
D Wootton Rectory	Rev. F. R. Marriott	5	1 0	370	..	37·34	197	153
D Lyneham	R. de M. Pratt, Esq.	5	1 7	351	..	34·42	191	150
d Glympton Park (R)	Lt.-Col. G. H. Barnett	8	2 0	..	..	33·72	..	..
D Chadlington (Langston House)	Lt.-Col. F.W. Schofield, CMG.	5	1 0	430	..	34·58	193	149
d Chipping Norton (Heythorp Col.)	Rev. L. Cardwell, S.J.	8	1 0	600	..	(36·08)	..	..
D Chipping Norton (Bungalow)	T. H. Burbidge, Esq.	5	1 0	700	..	36·59	192	156
3—THAMES—Cherwell. 250 sq. mi.								
D Nuneham Park Gardens	Mr. A. J. Hines	8	3 0	280	..	36·13	201	144
D Sandford-on-Thames	A. S. Walford, Esq.	5	1 0	210	..	33·12	176	129
D Oxford (Hincksey Pumping Sta.)	City Engineer	8	1 0	187	..	34·91	191	136
Oxford (Osney Lock)	Thames Conservancy	5	1 6	188	..	35·82	189	152
D Oxford (Magdalen College)	J. J. Manley, Esq.	5	1 0	186	23·8	34·10	221	137
D Oxford (Radcliffe Obs.) (+A)	H. Knox Shaw, Esq.	8	1 8	208	24·8	34·86	200	145
D Oxford (Northmoor Road)	Miss E. M. Tawney	5	1 0	217	..	41·56?	192	147
D Headington (Warneford Asy.)	Dr. A. W. Neill	5	1 0	300	..	32·99	177	140
D Headington (Forest Lodge)	Major A. V. Spencer, D.S.O.	5	0 11	333	..	33·42	163	139
D Headington (Charlton Lea)	Mr. L. Dawes	5	1 0	300	..	35·80	179	142
D Headington Hill (Thornhill)	E. S. Fry, Esq.	5	1 0	..	..	34·95	198	148
D Elsfield (Home Farm)	Miss M. J. Parsons	5	1 0	355	..	33·50	188	140
D Middleton Park	The Earl of Jersey	5	2 6	326	26·7	36·23	197	144
D Steeple Aston (The Grange)	Arthur E. Bradshaw, Esq.	8	1 0	400	27·2	36·21	214	155
D Steeple Aston (Hill House)	B. S. Ogle, Esq.	5	0 5	406	..	35·87	214	148
d West Adderbury (St. Amand's)	Miss M. M. Bradford	8	1 6	320	..	31·64	..	141
D Adderbury (Cross Hill)	Lt.-Col. H. E. du C. Norris	5	1 6	338	..	30·86	199	152
D Adderbury (The Rookery)	C. C. Bradford, Esq.	8	1 0	323	..	32·86	195	155
D Banbury (Cotefield)	C. N. Keyser, Esq.	5	1 0	300	..	28·08	180	146
D Bodicote (C. of E. School)	A. Ridge, Esq.	5	1 0	391	..	32·42	188	166
D Broughton Rectory	Rev. B. W. Bradford	5	1 6	370	..	34·32	205	152
D North Newington (Grafton Cot.)	W. Pikesley, Esq.	5	1 0	425	..	31·48	200	160
D Grimsbury (Banbury W. W.)	W. E. Wood, Esq.	5	1 3	316	..	30·28	220	154
Wroxton	Hon. Mrs. Fitz Gerald	12	1 6	500	..	34·32	192	..
4.—THAMES—Thame & c. 210 sq. mi.								
D Caversham (St. Peter's Hill)	Rev. G. V. Proctor	5	1 0	220	..	34·91	180	139
D Caversham (Kidmore End Sch.)	T. F. Higgens, Esq.	5	1 0	300	..	37·02	195	146
D Harpsden (Cray) (+A)	B. E. Dunbar Kilburn, Esq.	5	1 0	230	..	33·10	185	138
D Henley-on-Thames (Hart St.)	A. Edward Hobbs, Esq.	5	1 6	110	..	33·63	179	134
d Henley-on-Thames (Greys Lane)	G. Potter, Esq.	5	15 0	123	..	31·01	..	132
D Henley-on-Thames (Greys Gr.)	Mrs. Wolferstan	5	2 0	350	..	36·83	194	149
D Wyfold (Neals Farm)	J. P. Lee, Esq.	5	0 9	540	..	40·32	191	158
D Ipsden (Hailey)	Glynne Williams, Esq.	5	1 0	350	..	35·45	194	141
D Nettlebed (Joyce Grove) No. 1	Mr. F. Morby	5	1 0	590	..	44·52	177	153
D Benson	late W. H. Dines, Esq., F.R.S.	5	1 0	186	..	30·37	179	137
D Culham	F. Mitchell, Esq.	5	0 10	180	..	32·41	186	131
Culham (Zouch Farm)	Mr. P. E. Saunder	5	1 3	186	..	29·42	..	..
D Clifton Hampden (Manor House)	Lord Aldenham	5	1 0	190	..	33·48	181	143
D Watlington (Pyrton Manor)	Major H. Ducat Hamersley	5	1 0	325	26·7	36·22	198	146
D Wheatfield	A. J. Spencer, Esq.	5	0 8	275	..	34·78	176	146
D Toot Baldon (Potland)	D. Clinkard, Esq.	5	1 0	288	..	32·60	160	131
d Thame Park	Col. Sir C. Forbes-Leith, Bt.	5	1 0	200	..	37·50	..	155
5.—OUSE. 25 sq. mi.								

DIVISION III.—SOUTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
NORTHAMPTONSHIRE (Area, 1003 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—SEVERN—Upper Avon. 60 sq. mi.								
D Rugby (Kilsby Vicarage)	Rev. C. Ryder Macnally ..	5	1 3	470	..	33·38	218	174
D Winwick Warren	Capt. P. L. Ransom	8	1 5	648	..	31·25	223	154
D Naseby Reservoir	T. W. Millner, Esq.....	5	1 6	519	..	32·14	191	151
D Naseby (R)	H. J. Bartlett, Esq.	10	3 0	550	..	29·49	..	..
2.—THAMES—Cherwell. 77 sq. mi.								
D Croughton	C. A. St. George Moore, Esq.	5	1 0	430	..	31·49	185	141
d King's Sutton (Manor House)	G. Morgan, Esq.	5	1 0	338	..	30·76	..	..
3.—OUSE. 148 sq. mi.								
d Brackley (Waterworks)	T. A. Staniforth	5	1 2	471	..	31·42	..	130
D Brackley House	Major J. Allen	5	6 8	425	27·1	31·37	212	148
D Hazelborough Woods	Office of Woods	8	1 0	241	..	33·29	171	155
d Silverstone (Council Sch.)	J. P. Osborne, Esq.	5	1 0	400	..	33·74	..	..
D Towcester (Bradden House)	C. E. Grant-Ives, Esq.	5	0 10	420	..	34·23	186	151
D Towcester (Easton Neston)	Sir T. Fermor-Hesketh, Bt.	8	1 0	325	..	31·94	185	141
D Roade (Council School)	R. W. Janes, Esq.....	8	1 0	394	..	32·02	174	146
d Hargrave Hall	Sir K. Murchison	5	1 0	273	..	29·58	..	..
4.—NENE. 622 sq. mi.								
D Salcey Forest	Office of Woods	8	1 3	370	..	37·03	184	175
D Blisworth (Crieff House)	A. Westley, Esq.	5	1 0	351	26·3	31·58	217	149
D Blisworth (Grand Junc. Canal)	T. W. Millner, Esq.....	5	1 6	300	..	30·01	203	143
D Castle Ashby	A. R. Searle, Esq.*	5	1 4	230	..	32·16	211	141
D Little Houghton House	Christopher Smyth, Esq...	5	2 3	270	..	29·88	197	136
d Northampton (Upton)	J. R. Foster, Esq.	5	1 0	270	..	30·24	176	144
D Northampton (General Hosp.)	H. St. John Wood, Esq. ..	5	1 1	259	..	30·37	195	145
D Northampton (Mental Hosp.)	W. R. Budgen, Esq.*	8	1 2	398	..	29·67	193	139
d Northampton (Stimpson Av.)	F. Tomlinson, Esq., C.E...	8	18 0	329	..	28·50	..	124
D Northampton (Cheyne Walk)	R. H. Primavesi, Esq.* ...	5	8 6	240	..	29·54	207	132
D Flore	Major C. A. Markham	5	1 0	344	..	(30·77)	(198)	(146)
D Wollaston	G. Harris, Esq.	5	2 0	250	..	28·28	186	134
D Daventry (Tunnel End)	T. W. Millner, Esq.....	5	1 6	394	..	29·97	205	153
D Althorp Park	Mr. G. Low*	5	1 3	414	..	32·95	197	147
D Sywell Hall	Brig.-Gen. H. E. Stockdale	5	1 0	371	..	33·05	208	152
D Pitsford (Sedgebrook)	Major C. A. Markham	5	1 0	311	24·5	32·33	186	151
D Wellingborough (Swanspool)	R. S. Henshaw, Esq., C.E..	5	1 0	169	24·3	32·02	191	145
D Wellingborough (Sewage Works)	R. S. Henshaw, Esq., C.E..	5	1 0	139	..	29·83	183	139
D Wellingboro' (Bushfield W.W.)	R. S. Henshaw, Esq., C.E.	8	0 11	286	..	29·96	193	141
d Watford Court	Lord Henley*	9	1 2	380	..	33·03	..	137
D Ravensthorpe Reservoir	F. Tomlinson, Esq., C.E...	5	1 0	370	..	29·31	204	168
D Raunds (Day School)	The Head Master	8	1 0	214	23·5	29·01	178	120
D Lamport Hall Gardens	Mr. H. Tyrrell.....	8	1 0	440	..	33·85	189	155
D Kettering W.W. (Cransley)	The Engineer	8	0 6	275	..	30·89	188	149
D Kettering (Sewage Works)	The Engineer	8	0 11	199	..	31·07	184	152
D Kettering W.W. (Thorpe Malsor)	The Engineer	5	0 11	352	..	30·93	216	153
D Kettering W.W. (Clover Hill)	The Engineer	5	0 7	344	..	32·29	179	141
d Thrapston (Drayton House)	Mr. C. V. Craske	5	2 6	220	..	31·72	..	148
Rothwell (Loddington)	Mr. J. Oliff	5	1 0	400	..	31·21	..	146
d Thrapston (Islip)	G. E. Abbott, Esq.	5	..	145	..	27·43	..	..
D Tichmarsh Rectory	Rev. Canon A. M. Luckock*	5	1 0	170	..	30·94	195	143
d Desborough Council School	Mr. F. W. Grudgings.....	5	2 6	400	..	31·31	..	128
d Rothwell (Shotwell Mill W.W.)	The Surveyor	5	1 6	340	..	29·53	187	139
D Barnwell (Lilford Hall)	Mr. F. W. Gallop	5	1 0	..	..	32·85	197	137
d Oundle (Milton Road)	J. M. Siddons, Esq., C.E...	5	3 6	131	22·3	26·08	..	..

* *Per* Northamptonshire Natural History Society.

DIVISION III.—SOUTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with .01 in. or more.	1927 Days with .04 in. or more.
NORTHAMPTONSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—NENE—(*con.*)								
D Oundle School	A. Bond, Esq.	8	1 0	147	..	25·17	198	130
D Peterborough (Westbourne Ho.)	E. H. Colman, Esq.	5	1 0	35	..	26·20	185	121
D Peterborough (Abbeyfields)	Major J. Shipley Ellis	5	1 0	49	..	27·51	183	125
D Peterborough (Milton Park)	Mr. W. D. Green*	..	..	83	..	29·47	165	128
d Wittering (Whitewater)	E. Betts, Esq.	8	3 0	241	..	29·13	..	..
D Wittering (Bone Mill)	E. Betts, Esq.	8	3 0	..	..	28·28	163	126
D Eye (Northolm)	S. M. Egar, Esq.	5	1 0	16	..	26·12	200	123
D Eye (Newborough)	R. Williams, Esq.	5	1 0	8	..	25·80	177	126
5.—WELLAND. 96 sq. mi.								
D Market Harboro' (Dingley Hall)	Mr. V. Read*	5	1 6	400	..	32·86	199	157
d Carlton Park Gardens	Mr. R. W. Thatcher	5	1 1	300	..	30 69	..	123
D Weston-by-Welland	Major N. H. Matthews	5	1 3	254	..	33·63	216	156
D Rockingham Castle Gardens	Mr. C. Mears*	5	4 0	410	..	(33·22)	174	138
D Gretton School	W. Leeson, Esq.	5	1 6	365	..	31·49	202	147
D Market Deeping (Etton)	W. H. A. Court, Esq., C.E.	8	1 0	25	..	25·95	168	125
HUNTINGDONSHIRE. (Area, 366 sq. mi.)								
1.—OUSE. 327 sq. mi.								
D St. Neots (Waresley Park)	Miss Duncombe	5	0 11	190	24·0	26·95	170	145
D Hemingford Grey	G. F. Wilson, Esq.	5	1 6	20	21·9	25·17	152	122
D Brampton (The Lilacs)	Rev. G. H. Raynor	5	1 0	45	22·3	25·84	183	122
D Huntingdon (Hinchingbrke)	Mr. W. Prowting	5	2 0	70	22·4	25·20	185	112
D St. Ives (Slepe House)	Dr. W. R. Grove	5	1 0	25	22·6	25·36	167	123
D Catworth (School House)	J. H. Annet, Esq.	5	0 9	210	23·7	27·42	194	124
D Whittlesea Mere	L. I. Clark, Esq.	8	1 6	10	21·4	26·37	173	124
2.—NENE. 39 sq. mi.								
BEDFORDSHIRE. (Area, 467 sq. mi.)								
1.—THAMES—Colne. 20 sq. mi.								
Luton (Stockwood)	Capt. H. Crawley Ross-Skinner	5	0 6	539	..	32·88	193	152
2.—THAMES—Lea. 32 sq. mi.								
D Luton (Pumping Station)	J. W. Tomlinson, Esq., C.E.	5	1 0	343	25·9	33·21	189	132
D Luton (Wardown Park)	J. W. Tomlinson, Esq., C.E.	5	1 0	381	..	31·56	190	131
D Luton (The Downs)	G. W. Pryer, Esq.	5	1 0	479	..	33·34	188	141
d Dunstable (Houghton Regis)	A. E. Benney, Esq.	5	1 0	440	..	28·64?	..	..
3.—OUSE. 408 sq. mi.								
d Shefford (Stondon Manor)	R. Long, Esq.	5	1 0	241	..	29·31	..	129
D Steppingley	E. Capel, Esq.	5	1 0	350	..	27·46	194	136
D Woburn (Experimental Farm)	Lawes Agricultural Trust	8	1 0	291	23·9	27·67	199	141
D Woburn (Fruit Farm, Ridgmont)	E. J. Hobbs, Esq.	5	1 0	270	..	29·26	192	143
D Stotfold (Three Co. Mental Hos.)	Dr. L. O. Fuller	5	1 0	220	23·2	26·48	186	114
M Meppershall	K. R. Reynolds, Esq.	5	0 9	235	..	26 55	..	..
D Ampthill C.E. School	H. E. Cole, Esq.	5	1 0	300	..	25·49	200	135
Shefford (Clifton Bury)	A. Inskip, Esq.	5	2 1	150	..	27·61	..	..
D Shefford Council School	G. F. Alldritt, Esq.	5	1 0	126	..	26·41	191	133
Shefford (Stanford)	H. Inskip, Esq.	5	2 0	90	..	25·53	..	..
D Biggleswade (New Spring P.S.)	E. J. Wainwright, Esq.	5	1 0	180	..	26·02	201	126
D Sandy (The Lodge)	Mr. R. Pettifer	5	1 0	200	..	28·55	176	145
D Sandy (Mogerhanger Park)	Dr. C. G. Welch	..	..	..	..	28·47	200	149
D Sandy (Sewage Works)	C. M. Robinson, Esq.	5	1 0	72	..	25·96	197	129

* *Per* Northamptonshire Natural History Society.

DIVISION III.—SOUTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
BEDFORDSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—OUSE—(*con.*).								
D Bedford (Castle Road)	Miss M. E. Newbery	5	7 0	108	..	26·61	189	129
D Bedford (Kimbolton Road)	Dr. Kilham Roberts	5	1 0	118	..	25·13	189	128
D Bedford (Bedford Park)	Borough Engineer	8	1 3	117	..	24·96	186	121
Goldington (Castle Mills)	W. H. Rogers, Esq.	5	1 4	90	..	24·45	..	..
D Great Barford House	J. Arnold Whitchurch, Esq.	5	1 0	120	..	26·08	167	129
Sharnbrook (Castle Close)	L. Stileman-Gibbard, Esq.	5	0 8	210	..	32·53	192	142
d Keysoe (Council School)	G. Matthews, Esq.	5	1 2	259	..	26·82?	..	..
4.—NENE. 7 sq. mi.								
CAMBRIDGESHIRE. (Area, 859 sq. mi.)								
1.—STOUR. 17 sq. mi.								
2.—OUSE. 741 sq. mi.								
D Ashwell (Odsey)	Sir H. Geo. Fordham	5	1 0	256	23·0	29·08	203	135
Litlington Vicarage	Rev. M. de Courcy-Ireland.	8	1 0	..	..	25·40	164	117
D Bartlow (Castle Camps Sch.)	C. J. Keeble, Esq.	5	1 0	400	..	27·58	226	139
D Guilden Morden Vicarage	Rev. Ll. G. S. Price	5	1 0	140	21·9	27·34	202	126
Abington Pigotts Rectory	Rev. M. de Courcy-Ireland.	5	1 0	78	21·8	27·07	170	118
D Melbourn (Melbourn Bury)	A. R. Fordham, Esq.	5	2 0	100	..	27·11	194	129
d Bartlow (Shudy Camps)	Miss M. G. Archer	5	0 9	300	24·3	27·37	..	125
D Meldreth (Chiswick Farm)	A. A. Howard, Esq.	5	1 1	70	22·4	27·08	202	137
D Fowlmere (Fruit Farm)	H. F. Smith, Esq.	5	1 0	66	19·9	24·35	174	114
D Foxton	P. Gifford, Esq.	5	1 0	60	23·1	25·38	183	128
D Whittlesford (Scotts)	Robert Maynard, Esq.	5	0 6	68	22·3	27·46	179	140
D Wimpole Hall	Mr. W. J. Snell	5	1 0	141	23·0	24·20	177	123
D Shelford (Stapleford House)	J. H. H. Linton, Esq.	5	2 3	64	22·3	25·65	169	128
D Balsham Rectory	Rev. H. J. E. Burrell	5	1 6	399	23·0	25·34	158	106
D West Wratting Hall	E. G. Gordon Frost, Esq.	5	1 0	350	..	27·23	182	131
d Grantchester Mill	J. Nutter, Esq.	5	5 0	31	22·6	24·47	154	121
D Fulbourn (Fleam Dyke)	W. W. Gray, Esq., C.E.	5	1 0	99	21·0	(24·06)	173	117
D Fulbourn Pumping Station	W. W. Gray, Esq., C.E.	5	1 0	37	22·9	25·08	191	133
D Fulbourn (Cambridge Mental Hos.)	The Farm Bailiff	5	0 6	72	..	25·49	172	114
D Cambridge W.W. (Cherryhinton)	W. W. Gray, Esq., C.E.	5	1 0	35	21·6	22·73	154	107
Cambridge (Hills Road)	Smith Nutter, Esq.	8	0 10	45	23·8	27·71	221	139
D Cambridge (Corporation Store Yd)	G. W. Teasdale, Esq., C.E.	5	1 8	52	21·2	23·81	180	113
D Cambridge (Botanic Gardens)	F. G. Preston, Esq.	5	1 0	41	21·8	24·48	170	114
D Cambridge (Corporation Ppg. St.)	G. W. Teasdale Esq., C.E.	5	1 7	28	22·1	23·96	181	117
D Caxton	Dr. E. P. H. Dudley	5	1 0	170	23·3	26·01	161	133
D Boxworth (Manor House)	E. H. Thornhill, Esq.	5	1 0	76	23·4	27·58	198	120
D Swaffham Prior Vicarage	Rev. L. Fisher	5	1 0	44	21·3	24·12	182	121
D Oakington	A. H. V. Bloom, Esq.	5	1 1	27	..	24·13	163	124
D Burwell (Manor House)	R. Stephenson, Esq.	5	2 0	58	23·0	24·44	169	131
D Cottenham (Bernard House)	Miss Bull	5	1 6	30	22·1	25·12	203	123
D Fordham (London House)	W. V. Bloom, Esq.	5	1 0	30	21·4	36·47	167	122
d Stretham Engine	Mr. J. Housley	9	4 9	13	21·2	26·79	..	116
D Stretham (Orchard House)	Miss Wright	8	4 6	42	22·0	23·68	163	120
d Chatteris (Holwood Farm)	Mr. J. W. Watson	5	1 0	11	22·3	25·23	..	..
Littleport (Highfield House)	H. G. Martin, Esq.	8	2 7	67	21·3	24·98	174	126
D Chatteris (Aylesby House)	A. H. Ruston, Esq.	5	1 6	31	22·5	26·63	167	127
d Chatteris (The Priory)	H. F. Fryer, Esq.	5	1 0	32	22·6	24·45	..	128
D March	L. I. Clark, Esq.	9	2 0	10	22·8	27·50	158	133
D Upwell (Marmont Priory Lock)	L. I. Clark, Esq.	8	1 1	..	20·6	24·40	162	126
3.—NENE. 101 sq. mi.								
D Stanground Sluice	L. I. Clark, Esq.	8	1 6	15	20·3	26·92	188	130
D Parson Drove (Clows Cross)	W. Kingston, Esq.	8	3 0	13	22·1	24·34	173	121
D Wisbech (Bank House)	Hon. Anna J. Peckover	8	0 8	6	23·0	27·73	199	137
D Wisbech (Queen's Road)	Late H. Dann, Esq.	5	10 0	10	26·3	26·28	187	131
d Wisbech (Tydd Manor)	A. H. Carter, Esq.	5	6 6	..	..	26·14	..	113

DIVISION IV.—EASTERN COUNTIES.

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
ESSEX. (Area, 1532 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—THAMES.—Lea. 132 sq. mi.								
D West Ham (Abbey Mills)	London County Council	8	0 10	15	..	29·01	158	138
D Leyton (Sewage Works) (+A)	A. P. Howell, Esq., C.E.	5	3 0	22	..	(30·64)	173	130
D Leytonstone (High Road)	Miss G. Lister	5	1 8	100	..	34·15	211	126
D Lea Bridge (Waterworks)	Met. Water Board	8	0 6	23	..	30·06	157	126
D Walthamstow (Ferry Lane)	Met. Water Board	5	0 6	40	23·9	29·75	170	132
D Woodford (Haggar Lane)	Met. Water Board	8	0 8	176	..	30·51	173	140
D Buckhurst Hill Reservoir	Met. Water Board	8	1 6	275	..	31·12	171	139
D Buckhurst Hill (Ardmore)	Miss E. F. Howard	8	1 0	270	..	32·75	186	145
D Chingford (Crescent Road)	Miss M. L. Mathieson	5	2 9	200	..	30·68	178	128
D Chingford Mill	Met. Water Board	8	0 6	40	..	31·30	187	138
D Loughton (High Beech Res.)	Met. Water Board	8	1 0	376	..	33·15	170	142
D WalthamAbbey(RammeyMarsh)	Met. Water Board	8	1 0	60	..	30·96	188	136
D Waltham Abbey (Pumping Stn.)	Met. Water Board	8	1 3	66	..	31·08	181	137
d Waltham Abbey (Gunpr. Fact.)	The Superintendent	5	2 0	64	..	30·17	..	..
D Hatfield Broad Oak(Barrington)	A. H. Gosling, Esq.	5	0 10	300	..	31·73	199	138
Bishop Stortford (Hassobury)	Major W. S. Gosling	5	0 10	290	..	30·57	188	..
D Stansted (Birchalls)	Col. R. Egerton	5	1 0	290	..	33·00	192	155
D Elsenham (Gaunts End)	H. Cotterell, Esq.	5	1 0	363	24·6	30·18	205	142
D Stansted (Hargrave Park)	Arthur Alder, Esq.	5	1 7	..	..	32·26	198	137
D Stansted (Bentfield Place)	L. D. Gosling, Esq.	5	0 9	300	..	30·32	184	137
2.—THAMES—Roding &c. 316 sq. mi.								
D Tilbury (ParkView Observatory)	S. A. Hill-Willis, Esq. C.E.	5	1 0	6	..	26·70	134	108
D Grays (Stanley Road)	Engineer U.D C.	5	3 3	21	..	27·90	139	120
D Grays Sewage Works	The Manager	8	3 0	9	..	29·55	179	134
D Rainham(Riverside Sew.Works)	H. E. Lightfoot, Esq., C.E.	8	1 3	5	..	24·88	164	126
D East Ham (Central Park)	Public Health Dept.	8	1 0	15	..	28·48	168	134
D East Ham Well	Met. Water Board	8	1 0	17	..	27·29	172	128
D Dagenham Sanatorium	The Medical Superintendent	5	1 0	18	..	27·75	175	133
d Forest Gate (Monega Road)	W. E. Golding, Esq.	5	0 11	..	..	(27·12)	(167)	(123)
D Ilford Sewage Works	J. Sandford, Esq.	5	1 1	31	..	26·06	157	117
D Leigh (Brick House)	Miss Bentall	5	0 10	136	..	25·76	158	126
D South Benfleet (Hillside Road)	H. A. Marshall, Esq.	5	1 0	55	..	29·63	184	136
d Vange Pumping Station	Southend Water Works Co.	5	1 0	43	..	25·64	..	..
d Pitsea Pumping Station	Southend Water Works Co.	5	1 0	28	..	26·55	..	..
D Horndon (Eastern Sew. Works)	W. J. Grant, Esq.	8	1 6	23	..	25·60	172	132
D Hornchurch	Surveyor, U.D.C.	8	1 8	46	..	27·51	170	130
D Manor Park (City of Ldn. Cem.)	Mr. J. D. Robertson	5	0 6	45	..	27·10	147	121
D Wanstead (Red Bridge)	Met. Water Board	5	1 6	27	..	27·98	165	125
D Wanstead (Nightingale Farm)	J. J. Barker & Sons	8	1 2	94	..	30·34	160	132
D Havering-atte-Bower (Fernside)	Benjamin Smith, Esq.	5	1 0	341	..	32·39	202	141
D Ongar (Marden Ash)	Mrs. Calver.	5	1 6	190	..	29·57	178	131
D North Weald (Canes)	H. W. Hart, Esq.	5	2 0	250	..	32·57	184	143
3.—CROUCH. 186 sq. mi.								
D Shoeburyness (New Ranges)	The Meteorological Office	8	1 0	11	18·9	24·55	165	113
D Southend (The Cliffs)	E. J. Elford, Esq.	8	1 0	90	19·7	24·22	166	120
D Southend (Lancaster Gardens)	H. J. G. Ralph, Esq.	5	1 0	78	..	26·84	178	119
D Southend (Waterworks)	Southend Water Works Co.	8	1 0	112	21·1	25·88	181	124
D Leigh Reservoirs	Southend Water Works Co.	5	1 0	177	..	27·15	155	126
D Great Wakering	The Meteorological Office	5	1 0	11	18·4	25·08	164	113
D Little Wakering Vicarage	Rev. B. S. Mercer	5	1 0	20	..	26·91	185	125
D Eastwood Pumping Station	Southend Water Works Co.	8	1 0	50	..	28·56	197	126
D Thundersley Reservoir	Southend Water Works Co.	5	1 0	277	..	27·78	188	131
d Nevendon Pumping Station	Southend Water Works Co.	5	1 0	43	..	26·56	..	..
D Billericay (Service Tank)	Southend Water Works Co.	5	1 0	310	..	24·75	172	134
D Billericay (Ramsden Hall)	T. W. Bacon, Esq.	5	0 9	260	..	30·43	181	140

DIVISION IV.—EASTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
	ESSEX—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	3.—CROUCH—(*con.*).								
d	Wickford (Runwell Hall)	Miss Kemble	5	1 0	75	24·2	26·20	..	120
D	Southminster (Dudswell)	Mrs. H. G. Owen	5	0 10	60	..	28·47	165	121
d	Southminster (The New Moor)	E. J. Attenborough, Esq.	..	..	..	..	26·68	..	120
D	Bradwell-on-Sea (Bradwell H.)	H. D. Chillingworth, Esq.	5	4 3	27	20·7	27·12	161	119
	4.—BLACKWATER. 425 sq. mi.								
D	Shenfield (The Lodge)	Harcourt P. Landon, Esq.	5	0 7	305	..	30·95	154	115
D	South Hanningfield (Bearmains)	Late W. Hill, Esq.	8	1 10	220	..	29·61	208	131
D	Ingatestone (Fryerning)	A. E. Christy, Esq.	5	1 0	290	..	31·37	221	137
	Great Baddow	(R)S. L. Sams, Esq.	6	2 0	150	..	30·62	..	..
D	Danbury Rectory	Rev. J. Bridges Plumptre	5	1 0	365	22·7	28·11	194	121
d	Woodham Walter Lodge	H. H. Speakman, Esq.	5	1 6	137	..	29·13	..	..
D	Writtle (Melbourne)	J. A. Rosling, Esq.	5	0 9	140	..	31·88	206	129
D	Chelmsford (County Labor'tory)	D. B. Johnstone-Wallace, Esq.	5	1 0	134	22·3	29·55	167	126
D	Chelmsford (High Street)	Miss F. J. Chancellor	8	1 6	98	22·5	29·45	190	131
d	Witham (Wickham Hall)	D. B. Smith, Esq.	5	0 8	60	..	27·13	..	119
D	Good Easter	East Anglian Inst. Agric.	5	1 0	185	..	28·87	198	128
D	Pleshey Vicarage	Rev. C. H. B. Woodd, M.A.	8	1 3	200	..	29·07	210	127
d	Tiptree (Brook House)	A. Hitchcock, Esq.	5	0 9	120	..	28·36	..	116
D	Witham (Faulkbourne Hall)	Miss C. L. Parker	5	0 8	100	..	29·12	195	126
D	Little Leighs (Lavender Leez)	W. C. Neild, Esq.	5	1 1	190	..	29·86	164	136
D	Kelvedon (Lawn House)	F. Randolph-Symmons, Esq.	5	1 0	96	..	31·48	171	131
D	Kelvedon (White Barn)	Messrs. W. & H. J. Sheldrake	5	1 5	135	..	29·75	173	128
D	Blacknotley (Lynderswood Ct.)	Edwin Paul, Esq.	5	3 6	245	..	29·14	176	134
D	Felsted School	E. H. Lockwood, Esq.	5	0 10	248	22·9	29·21	174	131
D	Great Dunmow	Messrs. Hasler & Co., Ltd.	5	1 0	200	..	31·22	195	143
D	Rayne (Staneway)	Mrs. Burt	5	1 1	247	..	30·38	179	135
d	Pattiswick Hall	Harris Smith, Esq.	5	0 8	200	..	26·35	..	..
D	Great Saling (Woolpits)	Mrs. Joseph Smith	5	0 9	284	..	30·49	206	136
D	Shalford (Littles)	W. F. Hart, Esq.	5	1 6	250	..	30·08	169	132
D	Gt. Bardfield (South Lodge)	A. W. Brunwin, Esq.	5	1 0	250	..	29·75	192	127
	5.—COLNE & C. 283 sq. mi.								
D	Clacton-on-Sea	The Town Clerk	8	1 0	55	19·3	29·68	180	123
	Great Clacton (Clay Hall)	Philip Smith, Esq.	5	2 0	45	..	29·94	..	106
D	Walton-on-the-Naze	The Town Clerk	5	1 0	66	..	30·30	157	117
d	Colchester (King's Ford)	E. A. Digby, Esq.	5	0 10	103	..	30·49	..	127
d	Colchester (Maypole Farm)	R. P. Blyth, Esq.	5	1 0	112	..	29·59	156	124
d	Colchester (Hythe Gas Works)	Colchester Gas Co.	8	0 10	12	..	30·04	..	114
D	Colchester (Boro'Surveyor'sOff.)	H. Collins, Esq., C.E.	8	17 0	82	..	29·36	177	127
d	Colchester (Waterworks)	A. Hammond, Esq.	5	1 9	37	..	28·26	158	118
D	Lexden (Hill House, S. No. 2)	S. F. Hurnard, Esq.	5	1 0	90	..	29·71	172	119
d	Great Bromley (Broughton)	W. A. Roberts, Esq.	5	1 0	115	..	30·15	..	114
D	Earls Colne (Grammar School)	G. R. Hill, Esq.	5	1 0	168	..	27·99	155	123
	Earls Colne (Chalkney House)	H. F. Hills, Esq.	5	1 0	180	23·2	29·37	170	..
D	Earls Colne (Colne House)	Lieut.-Col. T. G.C.Reynolds	5	1 6	180	..	29·49	185	129
	Halstead (Attwoods)	R. E. Vaizey, Esq.	5	1 0	200	..	30·16	193	134
D	Halstead (The Brewery)	F. N. Adams, Esq.	5	1 0	139	..	28·65	159	116
	Gt. Maplestead (Monk's Lodge)	Miss J. Miller	5	0 6	230	..	31·43	..	..
D	Great Yeldham Hall	G. A. Goodchild, Esq.	5	1 6	200	..	28·71	186	130
	6.—STOUR. 110 sq. mi.								
D	Dovercourt	The Borough Surveyor	5	1 0	47	..	29·11	178	129
D	Mistley (The Maltings)	Messrs. Brooks (Mistley), Ltd.	..	..	..	..	30·08	191	133
D	Dedham (The Old House)	Roland L. T. Clarkson, Esq.	8	1 0	28	..	28·84	179	129
D	Sudbury (Bulmer Lodge)	Miss Burke	5	1 3	202	25·6	27·66	167	131
	7.—OUSE. 80 sq. mi.								
D	Widdington Rectory	Rev. Jas. W. Court	5	1 6	340	..	28·38	155	130
d	Great Chesterford Mills	E. H. King, Esq.	5	1 0	130	..	28·04	..	..

DIVISION IV.—EASTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with .01 in. or more.	Days with .04 in. or more.
	SUFFOLK. (Area, 1489 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—STOUR. 271 sq. mi.								
D	East Bergholt (Ackworth Ho.)	A. Harwood, Esq.	8	1 6	145	..	27·52	195	140
d	Capel St. Mary School	Bernard B. Taylor, Esq.	5	1 6	156	..	(32·18)	..	..
D	Assington Hall	Mr. F. J. Bullen	5	2 0	200	..	29·67	182	139
D	Great Cornard (The Limes)	E. Oliver, Esq.	5	0 9	85	..	27·44	162	131
D	Sudbury (Friars Street)	E. Ransom, Esq.	5	1 7	93	23·5	28·61	227	137
D	Hadleigh (Penlands)	E. A. Lee, Esq.	5	1 0	185	..	31·33	202	142
D	Waldingfield (Holbrook Hall)	Mrs. St. Leger Glyn	5	4 6	185	..	27·66	206	145
D	Hartest (Shimpling Hall)	E. D. Wolton, Esq.	5	1 0	200	..	28·08	176	132
D	Hawkedon Rectory	Rev. B. P. Oakes	5	3 4	303	25·0	31·95	209	146
D	Cockfield Rectory	Rev. Canon Edwin Hill	5	1 0	305	24·8	30·09	200	146
	2.—ORWELL. 166 sq. mi.								
D	Ipswich (Rookwd.,Copdock)(+A)	F. L. Bland, Esq.	8	1 0	164	..	30·99	186	140
d	Ipswich (Museum)	F. M. Cullum, Esq.	8	0 10	73	..	(30·50)	..	..
d	Ipswich (All Saints' Vic.)	Rev. S. C. Calver	5	1 5	..	..	29·84	196	138
D	Ipswich (Dale Hall)	Percy Turner, Esq.	8	3 6	138	..	29·39	189	141
	Elmsett (Laurel Cottage)	A. E. Ladbrook, Esq.	5	3 0	210	..	29·12	187	150
d	Nettlestead (High Hall)	A. S. P. White Cooper, Esq.	5	1 6	236	..	28·24	..	..
D	Coddenham (Shrubland Park)	Mrs. A. C. Horton	5	1 6	162	..	30·13	177	151
d	Needham Mkt.(BattisfordHall)	T. A. Harwood, Esq.	..	1 0	..	..	31·60	..	..
D	Stowmarket	Capt.F.Creagh-Osborne,C.B.	5	3 0	117	..	29·18	181	135
D	Haughley (Haughley House)	Major S. H. Creagh	5	1 0	188	..	26·65	179	132
	3.—DEBEN & C. 466 sq. mi.								
D	Felixstowe Aerodrome	The Meteorological Office.	8	1 0	15	..	26·57	186	118
D	Felixstowe (Wireless Tel. Stat.)	Coastguard Officer	8	1 6	15	21·4	27·17	189	124
D	Woodbridge Abbey	Col. R. J. Carthew	8	1 2	46	..	31·26	207	138
D	Orford (The Gables)	Miss E. A. Rope	5	0 8	30	..	31·74	209	157
	Melton (Greylands)	Miss Jervis	5	1 6	50	..	30·79	174	153
D	Melton (St. Audrey's Hospital)	A. F. Philpott, Esq.	8	1 2	74	..	29·85	176	136
D	Melton (Bromeswell Rectory)	Rev. F. Shadwell	5	1 5	35	..	30·97	198	140
D	Rendlesham Hall	Lord Rendlesham	5	1 0	88	23·1	28·81	160	127
D	Campsea Ashe (High House)	Viscount Ullswater, G.C.B.	8	2 6	60	..	28·68	199	138
	Charsfield (Red House)	Hugh P. Youngman, Esq.	5	1 9	150	..	29·12	..	..
D	Helmingham (Bocking Hall)	W. B. Damant, Esq.	5	1 6	180	..	(30·62)	196	154
D	Snape (Green Heys)	G. H. Garrett, Esq.	5	1 6	50	..	31·28	194	141
D	Leiston (Lower Abbey)	Miss M. K. Rope	5	1 0	30	..	26·26	176	136
D	Halesworth Rectory	Rev. H. C. Newbery	5	1 0	50	..	31·89	209	150
D	Halesworth (Estate Office)	G. W. Stanford, Esq.	5	1 5	120	..	32·29	194	153
D	Wangford (Ford House)	Hon. Agnes Eden	5	0 10	25	..	33·04	195	149
D	Wrentham (Sotterley Hall)	F. W. C. Chartres, Esq.	8	1 0	70	..	31·93	182	140
	4.—YARE & C. 208 sq. mi.								
d	Horham Rectory	Rev. J. E. Soden	5	1 3	175	..	(30·45)	..	..
d	Eye (Brome)	C. J. Barradell, Esq.	5	1 1	142	..	(30·09)	(207)	(144)
D	Rumburgh Vicarage	Rev. W. Linton Wilson	5	1 0	148	..	27·58	206	138
D	Bungay (Flixton Hall)	Sir Shafto Adair, Bart.	5	1 0	79	..	26·48	199	139
D	Lowestoft (Belle Vue Park)	R. Robertson, Esq.	5	1 0	83	23·5	29·67	185	141
D	Lowestoft (Briar Clyffe)	H. Hollingworth, Esq.	..	..	..	..	31·55	178	132
D	Herringfleet House†	G. H. Wyllys, Esq.	5	0 8	55	..	33·29	233	150
d	Lound School	Miss F. B. Bartlett	5	0 7	60	..	27·35	..	..
D	Lound Pumping Station	Lowestoft Water & Gas Co.	8	1 0	34	..	31·77	190	143
D	Hopton (Hopton House)	C. S. Orde, Esq.	5	1 0	..	..	32·93	184	132
D	Fritton Warren	Major-Gen.R.Upcher,D.S.O.	5	0 8	42	..	32·73	193	139
D	Fritton Hall	Major A. R. Buxton	8	0 10	40	..	32·26	222	152
D	Yarmouth (Burgh Hall)	H. P. Frederick, Esq.	5	0 10	45	24·4	31·72	194	145
	5.—OUSE. 378 sq. mi.								
d	Newmarket (Sewage Outfall)	W. H. Eley, Esq., C.E.	5	1 0	81	..	28·44	..	124
D	BurySt.Edmunds(NorthgateSt.)	Rev. J. S. Pratt	5	1 0	100	..	29·42	197	140
D	BurySt.Edmunds(W.SuffolkC.Sch.)	Miss C. A. Elvin	5	1 0	100	..	29·77	195	144
D	Bury St. Edmunds (Westley H.)	Mrs. Burrell	5	1 6	226	25·1	31·39	184	142
d	Bury St.Edmunds(Hengrave Hl)	Sir John Wood, Bart.	5	1 5	85	23·1	29·80	..	121
D	Fornham St. Martin Rectory	Rev. H. Buckton	5	1 0	125	..	27·73	181	124

† Formerly called Herringfleet.

DIVISION IV.—EASTERN COUNTIES—(*con.*).

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			in.	*ft. in.*	*ft.*	*in.*	*in.*		
	5.—OUSE—(*con.*).								
D	Bury St.Edmunds (TrostonHall)	F. S. Beauford, Esq.	5	1 1	150	..	29·85	210	140
	Barton Mills(HollandHo.Gdns)	Mr. J. Reynolds†	8	1 0	40	..	28·14	194	..
D	Mildenhall	H. R. W. Forster, Esq.	5	1 3	50	..	26·87	185	124
	Barningham (The Beeches)	Miss Lingwood	8	0 9	136	..	28·39	..	..
D	Elveden Hall	The Earl of Iveagh, K.P.	5	1 0	130	..	29·19	236	145
	NORFOLK. (Area, 2044 sq. mi.)								
	1.—YARE. 658 sq. mi.								
D	Diss (The Cedars)	Dr. H. M. Speirs	5	1 8	108	..	25·98	190	139
d	Diss (Walcot House)	Mrs. H. L. R. Moore	5	0 8	108	..	25·16	..	..
D	Pulham St. Mary (Hill House)	W. G. Rutter, Esq.	5	1 0	120	24·7	31·10	226	166
D	Denton Rectory	Rev. Canon T. H. Bindley	5	0 10	50	23·4	31·57	218	150
D	Beccles (Geldeston)	Miss E. Dowson	5	1 0	37	23·7	28·17	188	137
D	Ditchingham	W. G. Rutter, Esq.	5	1 0	25	23·9	26·90	195	133
D	Beccles (Raveningham Hall)	N. H. Bacon, Esq.	8	1 0	60	24·6	34·70 ?	178	134
D	Hapton Parsonage	Lt.-Col. H. C. Copeman	5	1 0	120	..	31·14	200	149
D	Spooner Row (Wattlefield Hall)	E. F. Routh Clarke, Esq.	5	1 4	165	..	32·03	196	142
D	Lodden (Chedgrave Manor)	C. E. Dupuis, Esq.	5	1 6	17	24·2	32·48	196	146
D	Wymondham (Morley School)	T. E. Ormond, Esq.	8	1 8	152	25·3	31·79	228	144
D	Wymondham	J. B. Pomeroy, Esq.	8	1 11	118	..	31·30	189	144
D	Ashby St. Mary (The Hall)	R. T. E. Gilbert, Esq.	5	1 4	104	..	32·94	189	138
D	Hingham	F. B. Law, Esq.	5	1 0	193	25·1	31·90	200	146
D	Keswick Old Hall	E. Knight, Esq.	5	1 0	90	26·4	34·90	214	147
D	Gorleston Coastguard Station	The Meteorological Office	8	1 0	16	23·3	31·94	195	138
D	Yarmouth (Northgate Street)	G. W. Hughes, Esq.	5	1 0	7	25·3	33·08	203	147
D	Norwich (Claremont Road)	W. S. Tillett, Esq.	8	1 0	100	..	35·88	230	147
D	Norwich(ChristChurchRdEaton)	A. W. Preston, Esq.	5	1 0	98	26·5	36·90	218	146
D	Norwich (Carrow Abbey Gar.)	The Misses Colman	5	1 0	35	25·2	36·59	191	147
D	Norwich (Ipswich Road)	J. H. Willis, Esq.	5	1 0	110	..	35·39	213	145
D	Norwich (Heigham Cemetery)	L. Alan Jewell, Esq.	5	1 0	37	25·5	36·08	220	150
D	ThorpeSt.Andrew(Thorpehurst)	Capt.J.H. Mander, O.B.E.*	5	1 6	45	26·2	35·17	220	149
D	Norwich (Marlingford Hall)	Major E. H. Evans-Lombe	5	2 0	50	26·9	36·49	190	155
D	Sprowston (Oak Lodge)	A. Cozens Hardy, Esq.*	5	1 0	100	25·2	34·35	230	151
D	Drayton Hall	J. H. Walter, Esq.	5	0 8	..	26·0	32·03	164	135
d	Swanton Morley Rectory	Rev. R. N. Usher*	5	1 0	105	24·3	33·67	..	..
D	Bylaugh Park	Mrs. Rice	5	1 0	..	..	32·23	199	144
D	Swanington (Heath House)	P. Norgate, Esq.	5	1 3	101	25·6	32·61	207	153
D	East Bilney Hall	K. W. Hervey, Esq.*	5	4 0	140	26·6	33·86	196	150
D	Cawston Rectory	Rev. T. H. Marsh	5	1 0	120	26·6	34·60	201	141
	2.—YARE—Bure & c. 368 sq. mi.								
D	Acle	Miss Davie*	5	0 6	51	25·1	34·67	218	152
D	Sprowston (The Church Farm)	H. B. Cowell, Esq.	5	1 0	93	..	33·79	177	147
D	Yarmouth(OrmesbySt.Michael)	Gt. Yarmouth W. W. Co.	8	1 0	22	26·2	31·80	215	153
D	Coltishall (Manor House)	F. A. Bainbridge, Esq.	5	0 11	20	25·5	33·28	184	142
D	Wroxham (Hoveton Hall)	G. F. Buxton, Esq., C.B.	5	3 6	25	26·5	34·39	222	147
D	Barton Turf Hall	J. M. Wood, Esq.	8	0 10	40	..	30·44	182	135
D	Aylsham (Rippon Hall)	Major H. S. Marsham	5	0 7	90	26·4	35·76	170	150
D	Worstead (Dilham)	Rev. J. A. Laurence*	5	0 8	25	26·3	30·78	194	141
D	Worstead (Lyngate Cottage)(+A)	Miss F. E. Hooper	8	1 0	55	26·5	32·83	206	147
D	Aylsham (Woodgate House)	Lt.-Col. J. W. Purdy	5	1 0	100	27·2	33·08	194	146
	Hindolveston (School House)	Owen Potter, Esq.	5	1 0	200	..	33·71	..	..
D	NorthWalsham(EmpsonHouse)	W. S. Horn, Esq.	5	1 0	102	..	31·12	197	142
D	Swafield Rectory	Rev. H. Muir	5	0 10	100	25·5	30·66	195	142
D	North Walsham (Gunton Park)	Lord Suffield*	8	1 6	..	25·9	32·64	185	146
D	Cromer (Northrepps Hall)	Lt.-Col. C. R. Gurney	5	1 2	225	26·7	34·31	195	149

† *Per* " Bury and Norwich Post."
* *Per* Norfolk Rainfall Organisation.

DIVISION IV.—EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
NORFOLK—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—STIFFKEYS & C. 290 sq. mi.								
D Sandringham House Gardens	Mr. T. H. Cook	5	0 9	121	27·0	32·17	240	146
D Syderstone (The Rectory)	Rev. B. D. Reed	5	1 0	210	..	30·05	202	143
D Walsingham	Rev. Canon J. Blake-Humfrey	5	0 10	54	25·9	32·05	212	161
D Cromer (The Warren)	F. H. Barclay, Esq.	5	1 0	101	24·1	31·71	185	146
Cromer (Gas Works)	Cromer U.D.C.	5	1 0	..	24·4	29·57	202	135
D Wells (Holkham Park)	Earl of Leicester, G.C.V.O.	5	1 0	..	..	33·53	187	156
D Langham Episcopi Vicarage	Rev. John H. Toy*	5	0 6	139	23·2	30·16	(201)	(150)
D Sheringham Hall	Miss E. Upcher	5	0 10	130	23·6	30·42	196	140
D Sheringham (Skelding)	F. Hall Smith, Esq.	8	1 0	70	..	32·11	203	146
d Wells (Holkham Hall)	Earl of Leicester, G.C.V.O.	12	4 6	39	..	30·72	174	132
D Blakeney	Mr. R. Lee	5	1 3	29	23·0	28·22	191	146
D Hunstanton	H. B. Belding, Esq.	5	1 1	105	..	24·76	182	118
4.—OUSE & C. 709 sq. mi.								
D E Harling (Garboldisham Mnr).	Major E. W. Denny, D.S.O.	8	1 0	70	23·2	27·63	199	134
d Thetford (Ford Street Gdns.)	Mr. A. Pipe	5	1 0	44	23·4	29·07	..	121
D Thetford (Kilverstone Hall)	Baron Fisher of Kilverstone	8	1 0	70	21·7	29·30	196	142
D Thetford (Waterworks)	E. S. Greenwood, Esq.	8	1 0	165	23·8	29·09	217	144
D Attleborough (Quidenham Hall)	Earl of Albemarle	5	1 0	100	24·1	34·38	232	130
D Hargham Hall	Sir H. R. Beevor, Bart., M.D.	8	0 9	100	24·9	29·29	200	132
Mundford (Lynford)	T. P. Godfrey, Esq.	5	1 0	80	..	23·81	..	..
D Caston (Flaxmoor)	Lt.-Col. T. S. N. Hardinge	5	2 7	150	..	29·23	234	139
D Watton (Merton Hall Gardens)	Mr. G. Barrell	5	1 0	156	26·7	30·28	202	135
D Watton	A. A. Gompertz, Esq.*	5	1 0	166	25·7	32·21	200	151
D Downham (Dial House)	Messrs. T. H. Wenn & Co.	5	1 6	..	22·5	27·06	170	126
D Downham (High Street)	J. M. Jackson, Esq.	5	1 6	16	..	26·72	178	134
d Outwell (Well Creek Sluice)	L. I. Clark, Esq.	8	2 6	16	22·0	26·66	..	132
D Wallington Hall	J. L. Luddington, Esq.	5	0 6	58	23·7	28·71	157	135
D Swaffham (The Villa)	Mr. R. Hudson	5	0 9	246	26·3	33·62	203	145
d Swaffham	Messrs. Vynne & Everett, Ltd.	5	2 7	210	..	(35·40)	..	..
D Sporle	T. H. Matthews, Esq.	5	4 0	230	..	34·33	236	151
D Little Dunham (Dunham Cott.)	A. G. Copeman, Esq.	5	0 11	260	27·2	34·13	214	142
Great Dunham (The Rectory)	Rev. E. C. S. Upcher	5	0 6	310	26·5	33·73	214	161
D Wiggenhall (St. Germans Sluice)	L. I. Clark, Esq.	8	1 6	..	23·1	29·91	187	151
d East Winch (Holland House)	J. C. Cottam, Esq.	5	1 6	55	23·3	29·50	204	140
King's Lynn (Manure Works)	J. Brown, Esq.	5	1 2	10	..	26·13	..	..
D Tittleshall	Capt. H. J. Buxton	5	1 6	285	26·8	34·57	197	159
D Grimston (School House)	J. R. Steward, Esq.	5	1 2	75	..	30·13	258	146
5.—NENE. 19 sq. mi.								
d Emneth (Inglethorpe Manor)	F. M. Bland, Esq.	5	1 0	6	22·4	27·81	173	137

DIVISION V.—SOUTH WESTERN COUNTIES.

WILTSHIRE. (Area, 1375 sq. mi.)

1.—LOWER AVON. 386 sq. mi.								
Westbury (Biss Bottom, P.S.)	H. Ireland, Esq.	5	1 0	311	..	38·68	199	..
D Westbury (Cambridge House)	Dr. W. K. A. Richards	5	1 0	190	..	40·77	197	149
D Westbury (The Vicarage)	K. E. Alexander, Esq.	5	1 0	181	..	41·59	198	157
D Market Lavington (Old House)	Miss A. Pleydell Bouverie.	5	0 9	290	29·0	37·67	198	152
D Gt. Cheverell (Timoleague)	Rev. H. S. Travers	5	0 6	380	..	43·17	188	165
D Trowbridge (Rood Ashton)	Mr. W. Strugnell	8	1 6	250	32·2	42·58	196	148
D Trowbridge (Town Hall)	The Engineer	8	1 2	131	..	34·67	186	146
D Bradford (Woodleigh)	A. Scratton, Esq.	5	1 8	226	31·7	42·11	196	164
D Bradford (Winsley Manor)	E. W. Knatchbull, Esq.	8	0 6	400	29·9	39·11	201	164

* *Per* Norfolk Rainfall Organisation.

DIVISION V.—SOUTH WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
WILTSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—LOWER AVON—(*con.*).								
D Bradford (Manvers House)	Dr. C. E. S. Flemming	5	1 6	130	29·9	39·31	193	153
D Seend (Cleeve House)	(R)Lt.-Col.W.C.HewardBell,Esq.	8	1 0	160	27·5	37·46	204	145
D Seend (Manor Cottage)	Rev. E. Seymour Awdry	5	1 0	325	24·8	33·73	204	141
D Holt (The Retreat)	A. V. H. Beaven, Esq.	5	2 6	145	30·3	38·89	189	154
d Devizes(Wilts Co.Mental Hospl.)	Dr. S. J. Cole	8	2 3	385	28 0	36·86	..	..
d Devizes (Broadleas)	W. H. L. Ewart, Esq.	5	1 1	400	..	39·15	238	154
D Devizes (Highclere)	H. W. Green, Esq.	5	1 6	450	28 8	40·69	193	151
D Great Chalfield	Major R. F. Fuller	5	1 2	165	28·6	39·44	199	157
D Little Chalfield	Mrs. T. H. Baker	5	1 0	180	..	39·30	216	150
Bradford (South Wraxall Ho.)	H. H. C. Knox, Esq.	..	..	..	..	42·09	..	..
D Calne (High Street)	E. W. Brown, Esq.	5	1 0	242	28·0	40·53	194	154
D Calne (Compton Bassett Gdns.)	Mr. H. Welch	5	0 10	384	30·7	40·12	198	142
D Chippenham (Rowden Hill)	Miss A. M. Collen	5	1 4	223	30·7	42·45	207	164
Chippenham (Kington Langley)	Mrs. Charles Garnett	8	1 0	72	..	41·33	..	..
D Wroughton (Basset Down Ho.)	Mrs. Arnold Forster	5	1 0	500	29·8	41·84	190	153
W Luckington Court	Lt.-Col. A. Johnson-Ferguson	5	0 8	400	30·2	37·05	..	..
D Malmesbury (Lea House)	Rev. H. Milnes-Walker	5	1 6	260	..	38·32	170	155
2.—STOUR. 33 sq. mi.								
D Mere (Charnage)	A. R. White, Esq.	5	1 0	426	33·8	40·97	244	162
d Stourhead	Sir H. H. A. Hoare, Bart.	5	1 0	583	38·1	45·88	..	156
Kilmington Rectory	Rev. H. G. Fox-Strangways	5	1 6	710	39·8	47·68	238	177
3.—EAST AVON. 554 sq. mi.								
D Longford Castle Gardens	The Earl of Radnor	5	1 0	139	31·4	40·17	197	147
D Fonthill House Gardens	Hugh Morrison, Esq., M.P.	5	1 0	400	37 8	46·63	190	154
D Salisbury (Sewage Works)	W. J. Goodwin, Esq., C.E.	5	2 2	153	29·7	37·23	184	140
d Salisbury (Manor Road)	Miss L. Awdry	5	1 0	250	29·2	36·84	196	150
D Salisbury (Atherton House)	Wilfrid Fletcher, Esq.	5	0 11	250	30·4	35·26	224	140
d Salisbury (Newlands)	Dr. T. W. Newton Dunn	5	1 0	175	..	35·05	..	..
D Stratford-sub-Castle(Manor Ho.)	Miss F. Carpenter	5	0 9	168	28·3	37·68	205	147
D Woodford Vicarage	Rev. M. I. Holme	5	0 10	200	.	38·94	235	144
D Porton(W.D.Experimental Stn.)	Meteorological Office	5	1 0	363	27·8	34·45	197	137
D Steeple Langford (Woodstock)	Miss A. J. Powell	5	1 1	257	..	39·12	187	147
D Wylye Rectory	Rev. E. Montagu Parken	5	1 8	246	30·6	38·04	177	155
D Maiden Bradley	The Duke of Somerset	5	1 6	600	38·4	51·30	162	159
D Sutton Veny (Greenhill)	Basil R. Hoare, Esq.	5	1 3	300	34 0	41·27	171	142
D Heytesbury	Dr. Hammond T. Hinton	5	1 7	300	31·7	41·16	216	156
D Larkhill (Sch. of Artillery)	The Meteorological Office	8	1 0	440	26·5	34·29	194	140
D Warminster (Smallbrook Ho.)	G. E. Vicary, Esq.	5	0 8	420	..	44·35	197	157
D Orcheston St. Mary Vicarage	Rev. S. C. Winterton	5	0 9	285	..	38·22	189	141
D Chirton Old Manor Farm	Late Mr. T. Selfe	5	3 0	374	30·0	39·15	189	153
d Marlborough (Wilcot Manor)	Lady Ernest St. Maur	5	1 0	..	..	(41·84)	..	..
D Bishops Cannings Vicarage	A. J. Combes, Esq.	5	1 0	446	30·3	39·07	209	158
4.—TEST. 77 sq. mi.								
D Landford (Northlands)	Cedric R. Boult, Esq.	5	1 0	180	30·7	38·61	189	140
D Redlynch Grange	Maj.E.Fitz-Herber tWright	5	1 2	300	..	40·52	202	137
D Ludgershall (Conholt Park)	(R)E. A. Wigan, Esq.	8	1 0	800	33·9	43·07	184	143
5.—THAMES—Kennet. 169 sq. mi.								
D Marlborough College	W. F. Harling, Esq.	5	1 0	424	31·1	44·34	194	148
Marlborough (Salisbury Road)	E. Kinder, Esq.	5	1 4	450	..	44·80	..	..
Aldbourne (Upham House)	La dy Currie	5	1 2	580	..	45·52	..	..

DIVISION V.—SOUTH WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
WILTSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
6.—THAMES—Cole & c. 156 sq. mi.								
d Chiseldon Vicarage	Mrs. W. L. Waugh	..	..	..	..	40·37	..	..
D Wroughton (Swindon W. W.)	J.B.L.Thompson, Esq.,C.E.	8	1 2	448	..	39·39	200	151
D Chiseldon (Hodson House)	A. Ashford, Esq.	5	0 9	560	29·0	41·44	194	149
D Swindon (Town Gardens)	J.B. L. Thompson, Esq., C.E.	8	1 4	471	27·5	39·94	189	155
D Purton (Restrop House)	Col. A. Canning	5	1 3	444	27·7	36·92	169	157
DORSETSHIRE. (Area, 988 sq. mi.)								
1.—PARRETT. 61 sq. mi.								
D Evershot (Melbury House)	Mr. W. G. Lee	5	1 6	460	38·7	47·35	194	161
D Chedington Court	Sir Henry Peto, Bart.	8	1 0	605	38·5	43·78	196	141
D Leigh Vicarage	Rev. T. L. Jenkins	5	0 6	300	36·9	43·60	192	157
D Sherborne (St. Edmunds)	C. T. Hooper, Esq.	5	3 2	..	..	36·88	218	152
D Sherborne Castle	Mr. Edwin Hill	5	1 0	195	32·5	40·53	224	158
Sherborne (Castleton)	Reading T. Grantham, Esq.	5	1 0	200	31·8	39·34	..	..
2.—AXE. 25 sq. mi.								
D Broadwindsor (Blackdown Ho.)	C. E. M. Pinney, Esq.	5	0 9	515	40·8	46·22	200	155
D Forde Abbey	G. D. Roper, Esq.	5	0 10	220	37·7	43·32	177	144
3.—FROME & C. 502 sq. mi.								
D Portland Bill (New Lighthouse)	The Meteorological Office	8	1 0	32	25·2	26·55	167	131
Weymouth (Westham)	G. Nicolson, Esq.	5	1 0	20	28·0	33·37	186	132
D Weymouth (Springfield)	Major J. H. C. Devenish	5	1 3	96	27·9	35·12	204	133
D Chickerell (Montevideo)	Mrs. H.M. Richardson, O.B.E.	5	1 0	100	28·9	33·99	231	145
Tyneham House	Mrs. W. H. Bond	8	1 6	255	32·8	38·71	180	133
d Corfe Castle (Kingston Vicarage)	Rev. R. A. Bond	5	1 3	451	32·4	(39·55)	..	..
D Corfe Castle (Bucknowle Ho.)	C. Waterston, Esq.	5	1 5	170	31·0	39·33	170	129
D Steeple (Manor House)	Major F. H. Swann	5	0 8	231	34·8	39·49	150	121
Creech Grange	J. W. G. Bond, Esq.	5	1 0	241	37·7	43·45	161	145
d Langton Herring (The Manor)	E. A. Sparks, Esq.	5	1 0	120	..	36·45	..	..
D Rodden (Rodden House)	A. H. White, Esq.	5	4 3	85	29·8	36·99	200	142
D Abbotsbury (West Street)	J. C. P. White, Esq.	5	1 6	147	29·2	37·44	178	144
d Upwey (Friar Waddon)	R. Davison, Esq.	5	1 0	215	..	39·86	..	127
d Upwey (Higher Well)	R. Davison, Esq.	5	1 0	289	..	39·27	..	126
D Wareham (East Holme)	Miss L. S. Bond	5	1 0	23	33·9	40·25	184	140
D Wareham (Binnegar Hall)	Mr. J. W. Hayward	5	1 0	65	33·8	38·60	195	144
D Wareham (Stockford)	W. Bond, Esq.	8	0 8	65	33·4	39·15	197	146
D Wareham (Trigon)	Mrs. L. Sturdy	8	1 4	60	32·1	39·70	190	156
D Broadmayne (Charlmont House)	W. R. G. Bond, Esq.	5	1 0	200	..	45·77	220	164
D Dorchester (Lewell Lodge)	E. R. Sykes, Esq.	5	2 4	230	..	42·81	207	155
D Dorchester (Kingscote)	E. A. Ffooks, Esq.	5	1 0	226	34·5	45·07	201	163
D Dorchester Waterworks	H. D. Strange, Esq.	8	1 0	310	..	44·31	197	155
D Dorchester (Wollaston House)	Capt. J. E. Acland	5	1 0	200	37·0	44·74	200	152
D Dorchester (Stinsford)	J. Wyndham Hull, Esq.	5	0 10	207	37·4	43·43	196	148
Dorchester (Birkin House)	Col. W.H.F. Weber, C.M.G., D.S.O.	5	1 0	230	37·4	43·35	194	147
D Holton Heath (R.N. Cordite Fac.)	The Superintendent	8	1 0	64	29·9	35·24	175	135
D Parkstone (Firgrove)	F. R. Wadman, Esq.	5	1 0	180	28·6	33·15	190	145
D Parkstone (Parkside Road)	H. Blanchard, Esq.	8	1 3	150	..	34·43	180	139
D Parkstone (St. Osmund's Road)	A. D. Stables, Esq.	5	1 3	60	32·2	37·88	178	146
D Branksome (Bourne Valley)	P. G. G. Moon, Esq.	8	1 3	84	30·0	(36·03)	180	135
D Branksome (Alderney Res.)	P. G. G. Moon, Esq.	8	1 3	213	27·1	35·29	219	147
D Broadstone (Sewage Works)	T. Wicks, Esq.	5	1 7	26	29·2	34·46	180	128

DIVISION V.—SOUTH WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Dam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
DORSETSHIRE—(*con.*).			*ft. in.*	*ft.*	*in.*	*in.*		
3.—FROME & C.—(*con.*).								
D Lyme Regis (Horn Bridge)	E. T. Steward, Esq.	5	1 0	100	33·2	41·41	202	159
D Lyme Regis (Rotherfield)	Rev. E. J. Synge	5	1 0	145	34·3	42·10	225	165
D Lyme Regis (Overton)	C. Wanklyn, Esq.	5	3 0	400	30·9	39·58	223	152
D Lyme Regis (Evington)	J. E. Hewitt, Esq.	5	0 9	300	32·9	41·12	195	157
D Lyme Regis (Highcliff)	Miss G. Lister	5	1 3	330	30·5	38·58	192	147
D Bridport (Coneygar)	H. Gordon, Esq., C.E.	5	1 0	110	32·9	37·25	193	136
D Tolpuddle Parsonage	Rev. Harold R. Long	5	0 6	100	32·9	39·35	198	154
D Tolpuddle (Rogers Hill)	Miss Underwood	5	1 0	190	..	40·35	189	134
D Puddletown Vicarage	Rev. A. R. Helps	5	2 8	195	35·8	43·69	188	153
D Bere Regis (Barrow Hill)	Mr. A. E. Lucas	5	1 0	120	32·9	37·54	188	138
D Bere Regis (Bloxworth House)	F. G. A. Lane, Esq.	5	1 6	118	33·7	39·52	177	139
D Broadstone (The Knoll)	J. Harvey Brand, Esq.	5	1 1	220	29·5	35·77	174	143
D Broadstone (Grange Road)	E. Nimmo, Esq.	5	1 0	160	..	37·74	202	142
D Wynford House	Lt.-Col. Lord Wynford, D.S.O.	5	1 0	410	43·5	52·41	233	169
D Netherbury (The Chantry)	H. L. Kitson, Esq.	5	1 0	150	35·2	40·15	197	148
D Milton Abbas (Milton Abbey)	Mr. C. H. Perkins	5	0 10	333	..	48·72	218	170
D Beaminster (Hamilton Lodge)	Fiennes Trotman, Esq.	5	1 0	210	37·6	43·39	215	153
4.—STOUR. 388 sq. mi.								
D Kinson (Eglinton)	W. C. Keevil, Esq.	5	0 6	45	33·2	37·49	193	136
D Wimborne (CorfeMullen W.W.)	G. V. Sparrow, Esq., C.E.	5	1 0	81	32·9	39·66	178	140
D Wimborne (CorfeMullen, For. Hill)	E. Philip Belben, Esq.	8	1 0	300	32·5	38·53	228	147
D Winterbourne Whitchurch Vic.	Rev. H. H. Tilney Bassett	8	1 0	200	35·8	41·83	184	156
D SturminsterMarshall (BailieHo.)	Rev. J. Cross	5	1 0	85	32·6	40·05	199	143
D Wimborne (Melbury Lodge)	Rev. W. S. Clark*	5	1 6	100	..	38·99	178	144
D Wimborne (Codford House)	G. H. Batterbury, Esq., M.D.	5	0 9	69	34·5	38·41	215	140
D Wimborne (Glen Ashton)	H. H. Haines, Esq.	5	0 10	150	..	38·12	185	143
D Blandford (Field's Oak)	H. S. Woodhouse, Esq.	5	1 0	..	34·4	40·09	182	143
Blandford (White Cliff St.)	E. Westcott, Esq.	5	1 0	70	..	41·86	..	..
D Blandford (King's Road)	D. Blanchard, Esq.	5	0 10	210	..	41·01	179	145
D Blandford (Bryanston Gardens)	Mr. J. Jaques	5	1 0	185	39·9	45·07	196	155
D Turnworth	Lt.-Col. W. Parry Okeden.	5	1 0	473	40·3	47·86	201	164
D Glanville Wootton (Manor Ho.)	H. B. Debenham, Esq.	5	0 9	350	35·2	43·11	205	161
D Holwell (Westrow House)	W. Warry, Esq.	5	1 0	252	34·4	39·53	181	141
D WimborneSt.Giles (St.Giles Ho.)	The Earl of Shaftesbury, K.P.	5	1 6	165	33·4	41·19	204	153
D Gussage St. Michael Manor	Mrs. Good	5	1 4	200	33·3	39·51	203	149
D Iwerne Courtney Rectory	Rev. R. H. Gundry	5	1 2	200	34·2	42·60	196	147
D Iwerne Minster (Preston House)	Major H. W. Aston	5	1 0	220	33·2	41·17	195	151
D Iwerne Minster House Gardens	Mr. W. Phillips	5	1 0	244	33·9	39·85	189	144
D Fontmell Magna (Glebe Cottage)	Dr. J. Appleyard	8	1 8	300	29·6	38·14	176	142
Handley (Woodyates Manor)	F. B. Eastwood, Esq.	5	0 9	368	31·9	(41·00)	..	..
D Shaftesbury	G. P. Barter, Esq.	5	1 0	722	32·5	38·27	200	149
D East Stour (Homestead)	C. E. Davies, Esq.	8	1 0	330	31·6	40·37	201	150
D Bourton	B. P. Bartlett, Esq.	5	1 4	353	35·4	44·82	211	166
5.—EAST AVON. 12 sq. mi.								
SOUTH DEVONSHIRE. (Area, 1707 sq. mi.)								
1.—PARRETT. 7 sq. mi.								
2.—TAMAR & C. 395 sq. mi.								
D Plymouth (Boveysand Lodge)	Rev. J. F. Case	5	1 6	75	..	38·83	185	167
D Plymouth (Cattewater)§	(+A) The Meteorological Office	8	1 0	82	..	37·98	205	157
D Plymouth (The Hoe)	(+A) H. Victor Prigg, Esq., C.E.	8	1 0	116	36·7	42·08	201	163
D Plymouth (Drake's Reservoir)	F. Howarth, Esq., C.E.	5	1 0	149	..	43·78	203	163
D Plymouth (Freedom Park)	(+A) H. Victor Prigg, Esq., C.E.	8	1 0	208	..	47·53	222	180
D Devonport (Rowdens Res.)	F. Howarth, Esq., C.E.	5	1 0	201	..	41·51	207	170
D Plymouth (Hartley Reservoir)	F. Howarth, Esq., C.E.	5	1 0	321	..	47·79	211	180
D Bickley (Roborough Reservoir)	F. Howarth, Esq., C.E.	5	1 0	548	..	55·53	239	200
D Lee Moor Clay Works	R. Martin, Esq.	8	1 0	900	61·6	75·53	236	216
D Yelverton (Oakfield)	H. Edgcombe, Esq.	5	1 0	535	..	64·61	247	197

* *Per* Mid-Wessex Rainfall Association.

§ Exposure not orthodox.

DIVISION V.—SOUTH WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
SOUTH DEVONSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—TAMAR & C.—(*con.*).								
D Sheepstor (Red Stone)	F. Howarth, Esq., C.E.	5	1 0	760	..	69·54	235	195
D Sheepstor (Burrator)	F. Howarth, Esq., C.E.	5	1 0	755	..	71·03	235	199
D Sheepstor (Head Weir)	F. Howarth, Esq., C.E.	5	1 0	720	..	70·02	235	195
D Dousland Reservoir	F. Howarth, Esq., C.E.	5	1 0	721	..	63·49	248	194
M Dartmoor (Deancombe Farm)	F. Howarth, Esq., C.E.	5	1 0	807	..	76·65	..	..
D Dartmoor (Lowery)	F. Howarth, Esq., C.E.	5	1 0	899	..	64·23	235	197
M Dartmoor (Leather Tor Farm)	F. Howarth, Esq., C.E.	5	1 0	910	..	67·90	..	..
M Dartmoor (Siwards Cross)	F. Howarth, Esq., C.E.	5	1 0	1074	..	77·20	..	..
D Whitchurch (Grenofen)	H. Chichester, Esq.	5	1 2	325	..	58·55	238	189
D Whitchurch (Langstone)	Col. H. F. Coleridge, C.B.E.	5	1 0	700	..	63·74	231	189
D Tavistock	W. J. Monk, Esq.	5	1 0	457	..	60·22	233	194
D Tavistock (The Library)	J. Spurway, Esq.	8	20 0	282	..	54·16	234	188
M Dartmoor (Double Waters)	F. Howarth, Esq., C.E.	5	1 0	1165	..	84·19	..	..
M Dartmoor (N. Hessary Tor)	F. Howarth, Esq., C.E.	5	1 0	1398	..	76·75	..	..
D Mary-Tavy (Blackdown)	H. K. G. Rogers, Esq.	5	1 0	846	..	72·37	244	214
D Lifton (Kelly House)	Rev. Maitland Kelly	8	2 6	462	..	56·17	222	195
D Coryton Manor	R. L. Newman, Esq.	5	1 2	450	..	57·79	210	180
Lew Down (Coombe Trenchard)	H. M. Sperling, Esq.	5	1 0	450	..	58·53	219	195
D Launceston (Polapit Tamar)	R. C. Coode, Esq.	5	1 0	315	39·3	49·19	232	189
D Ashwater Rectory	Rev. G. D. Melhuish	5	1 0	500	..	55·04	219	197
3.—ERM & C. 217 sq. mi.								
D Salcombe (Blackstone Lodge)	W. J. Shaw, Esq.	5	1 6	280	..	43·01	226	178
D Salcombe	F. C. Tremlett, Esq.	5	1 0	39	..	38·19	198	151
D Salcombe (Malborough)	Rev. H. C. B. Lethbridge.	5	1 0	360	..	38·90	205	158
D Kingsbridge	W. N. Patey, Esq.	5	1 6	150	..	39·72	192	158
D Yealmpton (Torr)	Miss M. Wimbush	5	0 11	100	..	47·07	241	177
D Ermington (Strode)	Capt. H. Gore Hawker	5	1 0	75	..	46·89	218	174
D Ivybridge (Filham House)	H. Alger, Esq.	5	1 0	160	..	51·36	226	187
D Wrangaton (Plymouth M. Hos.)	H. Victor Prigg, Esq., C.E.	5	1 0	607	..	62·05	244	197
D South Brent (Great Aish)	Miss Kingwell	5	1 0	500	60·3	73·70	233	198
South Brent (Badworthy)	Miss D. B. Latham	5	1 2	550	66·0	79·23	199	181
D S. Brent (Didworthy San.)	Resident Medical Officer	5	1 0	657	..	74·99	210	188
D Cornwood (Yealm Head No. 5)	W. H. Thompson, Esq., C.E.	5	1 0	540	..	72·45	239	200
Cornwood (Yealm Head No. 1)	W. H. Thompson, Esq., C.E.	5	1 0	943	..	(85·70)	251	217
Cornwood (Yealm Head No. 2)	W. H. Thompson, Esq., C.E.	5	1 0	1305	..	(83·97)	250	220
Cornwood (Yealm Head No. 4)	W. H. Thompson, Esq., C.E.	5	1 0	1415	..	(87·41)	250	222
Cornwood (Yealm Head No. 3)	W. H. Thompson, Esq., C.E.	5	1 0	1416	..	(81·33)	248	212
4.—DART. 197 sq. mi.								
D Dartmouth (Ridge Hill)	Dr. H. J. Campbell	5	1 0	120	..	49·31	214	162
D Churston Ferrers (Greenway)	Mrs. C. Williams	5	0 9	..	..	48·87	186	158
D Brixham (Combe Bank)	H. Clayton, Esq.	5	6 6	115	..	43·79	214	154
D Ashprington (Myrtle Cottage)	G. H. Beecheno, Esq.	5	1 0	250	..	42·23	196	160
D Waddeton Court	Sir A. L. Goodson, Bart.	5	1 0	175	..	44·78	176	155
D Stoke Gabriel (Maisonnette)	Edward Stobart, Esq.	5	1 0	100	..	51·31	198	176
D Totnes (Dundridge Gardens)	Mr. C. H. Cole	5	1 0	250	..	56·87	215	191
D Paignton (Queen's Park)	C. Bellinger, Esq.	8	1 0	11	..	38·97	203	152
D Paignton (Torquay Road)	H. Le B. Gunner, Esq.	5	1 0	10	..	40·03	(211)	(151)
D Paignton Vicarage	Rev. H. M. Drake	5	1 0	42	..	42·55	193	152
D Paignton (Claylands)	G. M. Rosling, Esq.	8	1 2	150	..	41·59	205	154
d Totnes (Lakemead)	C. F. Rea, Esq.	5	1 6	50	..	49·39	196	163
D Totnes (Walrond House)	H. Hurman, Esq.	5	1 2	40	..	51·63	198	169
D Totnes (Berry Pomeroy)	C. Barran, Esq.	5	1 6	185	..	46·08	196	162
D Totnes (Staverton)	J. A. Devenish, Esq.	5	0 11	50	..	45·40	186	169
d Totnes (Dean Prior Vicarage)	Rev. H. H. Breton, M.A.	8	1 0	..	..	(75·35)	..	..
D Ipplepen Vicarage	Rev. R. D. Cooke	5	1 0	266	..	43·98	181	162
D Holne (Church Park Cottage)	L. W. Frost, Esq.	5	1 6	620	59·8	72·86	219	185
D Dartmoor (Fox Tor)	E. Rowlands, Esq., C.E.	8	0 7	1160	..	75·36	202	193
D Ashburton (Hele House)	E. M. Dowson, Esq.	5	1 0	350	..	57·48	217	188
D Ashburton (Druid House)	J. S. Amery, Esq.	5	1 0	583	51·7	58·26	226	188

DIVISION V.—SOUTH WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
SOUTH DEVONSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—DART—(*con.*).								
D Ashburton (Leusdon Lodge)	Col. S. R. A. Hankey, D.S.O.	5	0 8	800	..	58·27	223	193
d Princetown (Huccaby House)	Lt.-Col. H. H. Joll, D.S.O.	5	1 0	900	..	65·36	..	189
D Princetown (Wydemeet)	Colin M. E. May, Esq.	5	1 0	900	..	72·07	242	214
W Dartmoor (Cowsic Valley)	F. Howarth, Esq. C.E.	8	1 6	1352	..	96·25	..	..
‡M Dartmoor (Black Dunghill) No. 5	F. Howarth, Esq., C.E.	8	1 0	1590	..	65·85	..	..
‡M Dartmoor (Beardown Tor) No. 3	F. Howarth, Esq., C.E.	8	1 0	1550	..	64·20	..	..
‡M Dartmoor (White Tor) No. 1	F. Howarth, Esq., C.E.	8	1 0	1640	..	65·25	..	..
‡M Dartmoor (Devil's Tor) No. 2	F. Howarth, Esq., C.E.	8	1 0	1785	..	63·85	..	..
M Dartmoor (Cowsic Head) No. 4	F. Howarth, Esq., C.E.	8	1 0	1580	..	77·70	..	..
5.—TEIGN. 209 sq. mi.								
D Postbridge (Warren House Inn)	S. C. Chapman, Esq., C.E.	5	1 0	1400	..	76·73	250	238
D Torquay (Cary Green)	The Town Clerk	5	1 0	12	33·0	36·57	200	145
D Torquay (Middle Lincombe Rd.*)	Miss Brown	5	1 0	250	..	33·34	199	150
D Torquay (Abbey Road)	Henry Brown, Esq.	5	1 0	125	..	37·39	193	150
d Torquay (Shiphay Manor)	R. P. Kitson, Esq.	5	1 2	200	..	43·54	..	..
D Newton Abbot (Seale Hayne Coll.)	The Principal	5	1 0	357	..	39·14	219	152
Teignmouth (Bonnicliff)	Miss Horner	..	..	260	..	38·08	194	..
Teignmouth (Woodlands)	G. Rossiter, Esq.	..	..	50	..	35·76	..	..
D Teignmouth (Coombe Vale)	John F. Caley, Esq.	5	1 0	250	..	33·04	183	131
D Teignmouth (Landscore Road)	Dr. E. E. Moore	5	1 0	143	..	36·22	200	143
D Teignmouth (Den Gardens)	G. Rossiter, Esq.	8	1 6	19	31·8	34·09	184	135
D Teignmouth (Hazledown Res.)	G. Rossiter, Esq.	8	2 0	425	..	39·63	187	156
D Teignmouth (Shaldon Res.)	G. Rossiter, Esq.	5	1 0	213	..	40·63	170	153
D Teignmouth (Landscore Res.)	G. Rossiter, Esq.	8	1 0	133	..	37·28	185	146
D Teignmouth (The Shrubbery)	E. A. Norton, Esq.	8	1 0	275	..	36·62	222	153
D Ilsington	Miss E. Willcocks	5	3 0	650	..	56·51	206	184
D Dawlish (The Lawn)	S. F. C. Churchward, Esq.	5	1 6	18	..	34·70	215	134
D Dawlish (Luscombe Castle)	Peter Hoare, Esq.	8	1 2	175	..	43·77	224	156
D Bovey Tracey (Hedgebarton)	S. C. Chapman, Esq., C.E.	5	1 6	1137	..	71·71	224	193
D Chudleigh (Rock House)	G. F. Wright, Esq.	5	1 2	190	..	38·16	188	145
Ashcombe (Thorns Reservior)	S. F. C. Churchward, Esq.	5	1 6	550	..	44·16	..	..
Chagford (Whiteridge)	S. C. Chapman, Esq., C.E.	5	1 6	1650	..	(93·92)	..	..
D Moretonhampstead (Bullaton)	S. C. Chapman, Esq., C.E.	8	1 0	928	..	49·78	234	179
D Moretonhampstead (Mardon)	S. C. Chapman, Esq., C.E.	8	1 0	837	..	46·05	234	174
North Bovey (Manor House)	Mr. J. G. Laurence	5	1 0	700	..	58·08	232	196
D Christow (Kennick)	S. C. Chapman, Esq., C.E.	8	1 0	836	41·7	51·69	228	174
D Christow (Smithacott)	S. C. Chapman, Esq., C.E.	8	1 0	861	..	45·70	229	171
D Moretonhampstead (Stinhall)	S. C. Chapman, Esq., C.E.	5	1 6	844	..	60·78	209	192
M Moretonhampstead (Blckngstne)	S. C. Chapman, Esq., C.E.	5	1 0	1158	..	42·80	..	..
D Christow (Laployd)	S. C. Chapman, Esq., C.E.	5	1 6	1041	..	52·84	230	175
d Chagford (Thornworthy)	Miss W. H. Varwell	5	1 0	1150	68·9	(81·69)	..	..
d Chagford (Dartmoor Sanatorium)	T. J. Smith, Esq.	5	1 0	750	50·3	(61·65)	..	..
D Chagford (Huish)	Col. P. Hart Dyke, D.S.O.	5	1 0	595	45·6	54·52	238	192
6.—EXE. 445 sq. mi.								
D Exmouth (Douglas Avenue)	Mrs. S. G. Gillum	5	0 10	80	..	31·89	182	136
D Exmouth (Nidderdale)	Mrs. Herbert Stewart	5	1 0	51	..	31·91	202	142
D Exmouth (Hilby House)	Rev. F. S. Stooke-Vaughan	5	1 0	71	..	33·80	214	147
D Exmouth (Waterworks Road)	S. Hutton, Esq., C.E.	5	1 0	195	..	32·48	180	137
D Exmouth (Filters, Salterton Rd.)	S. Hutton, Esq., C.E.	8	8 6	195	..	35·50	203	147
D Exmouth (Filters, Capel Lane)	S. Hutton, Esq., C.E.	5	8 0	240	..	35·00	194	143
D Starcross	H. Falkner, Esq.	5	1 0	10	..	34·98	200	148
D Lympstone (Manor House)	Gilbert Shelden, Esq.	5	0 11	54	..	34·81	182	137
D Topsham (Ebford)	Lt.-Col. B. W. Bogle	5	1 0	45	..	36·59	200	145
d Topsham (Altamira)	Mrs. Wimbush	5	0 9	120	..	32·36	..	..
D Exeter (Hatfield, Longdown)	C. Holman, Esq.	5	0 10	450	..	39·66	180	146
d Aylesbeare (Rosamondford)	A. T. Loram, Esq.	5	0 6	220	..	39·16	..	134
D Exeter (Devon & Exeter Inst.)	J. E. Coombes, Esq.	5	13 7	155	30·5	35·97	201	148
D Exeter (The Close)	The Ven. Arch. T. N. Leeke	5	1 2	120	..	36·67	198	143

* Formerly called Merton Lodge.
‡ Gauge over-exposed on moor.

DIVISION V.—SOUTH WESTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
	SOUTH DEVONSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	6.—EXE—(*con.*).								
	Exeter (The Close)	Rev. Canon D. McLaren	5	0 9	120	..	37·59	178	..
D	Exeter (Hele's School)	C. F. Cruickshank, Esq.	8	7 0	133	..	33·55	185	143
D	Tedburn St. Mary Rectory	Rev. H. Rusbridger	5	0 10	400	..	40·97	222	177
d	Spreyton (Fuidge Manor)	Rev. E. V. Freeman	5	1 0	710	..	38·98	..	153
D	Rockbeare Manor	Lt.-Col. H. Spencer Follett	5	0 10	180	..	37·55	185	144
	Whimple (Ousley)	Rev. A. A. Sanders	5	1 0	200	..	38·41	..	137
D	Brampford Speke	S. Stevens, Esq.	5	1 0	130	..	33·69	183	142
D	Crediton (Ship Hotel)	R. Stanley Clarke, Esq.	8	1 2	200	..	38·15	216	157
D	Crediton (Palace Cottage)	Dr. G. Rice	5	2 2	160	..	38·58	219	149
D	Silverton (Killerton)	Sir F. Dyke Acland, Bt.	5	1 0	160	..	37·31	174	151
D	Crediton (Okefield)	Seymour F. Pope, Esq.	5	1 0	325	..	37·61	217	160
D	Copplestone (Coplestone House)	Miss M. Pope	5	0 11	315	..	39·60	227	164
	Bradninch (Dunmore House)	Miss H. R. Hepburn	5	1 0	300	..	41·40	..	166
D	Cullompton	Murray T. Foster, Esq.	5	1 0	202	35·3	40·99	217	161
D	Kentisbeare	A. E. Painter, Esq.	5	1 0	304	..	40·62	208	154
D	Tiverton (St. Aubyn's Park)	F. C. Fox-Strangways, Esq.	5	1 0	394	..	45·33	225	167
D	Tiverton (Hartnolls)	Maj.-Gen. F. A. Bowles, C.B.	5	1 4	226	..	43·73	212	168
D	Tiverton (Alstree, Halburton)	Miss M. G. Izat	5	0 9	240	..	45·29	230	160
D	Tiverton (Lythecourt)	A. L. Sadler, Esq.	5	1 2	220	..	45·02	188	165
D	Hemyock (Windlehurst)	Sir Arthur Tedder, C.B.	5	1 0	750	..	43·42	219	172
D	Bampton (Stuckeridge)	Brig.-Gen. J. C. Livingstone-Learmouth	5	1 4	650	..	47·17	189	176
	7.—AXE & C. 237 sq. mi.								
D	Budleigh Salterton (Lindenwd)	Lt.-Col. J. H. Hamersley	5	1 0	120	..	36·91	187	144
D	Budleigh Salterton (Bragwick)	E. Fisher, Esq.	5	1 0	100	..	34·48	182	147
D	Budleigh Salterton (Tidwell Ho.)	Mrs. J. H. Foster	5	1 0	100	..	35·91	168	142
D	Budleigh Salterton (Knowle Ho.)	Mrs. Pepys	5	2 4	230	..	37·42	160	151
	Budleigh Salterton (Squabmoor)	S. Hutton, Esq., C.E.	5	1 0	267	..	39·01	..	..
	East Budleigh (Bicton Common)	S. Hutton, Esq., C.E.	5	1 0	300	..	38·53	..	..
D	East Budleigh (Bicton Gardens)	Mr. E. H. High	5	1 0	90	..	38·16	202	152
D	Sidmouth (Sidmount)	Miss C. M. Radford	5	1 0	149	32·4	36·34	192	157
D	Sidmouth (Sidmount)	Miss C. M. Radford	5	1 0	186	..	37·11	192	156
	Sidmouth (Winslade Cottage)	Miss G. Collins	5	1 0	145	..	39·43	..	..
D	Seaton (Pendeen)	Rev. A. H. Skipper	5	2 6	70	..	37·04	204	155
D	Seaton (The Copse)	H. J. Roberts, Esq.	5	1 0	220	..	39·92	222	167
D	Sidmouth (Harpford)	P. M. Miller, Esq.	5	1 0	195	..	40·33	197	149
D	Lyme Regis (Pinhay)	Mr. W. F. Shillabeer	5	1 11	465	34·9	39·23?	204	151
D	Lyme Regis (Ware)	A. J. Woodroffe, Esq.	5	0 10	318	..	40·78	209	163
D	Colyton (Colyford)	Mrs. Saunders	8	1 6	50	..	36·53	195	159
	Ottery St. Mary (Easthayes)	T. A. B. Pares, Esq.	8	1 2	550	..	41·71	..	..
D	Ottery St. Mary (West Hill)	B. Stansbury, Esq.	5	1 6	340	..	41·37	212	150
D	Ottery St. Mary (Broad Street)	H. D. Badcock, Esq.	5	4 0	170	..	41·89	213	153
D	Kilmington (Haddon Corner)	A. Hitchcock, Esq.	5	1 0	410	39·0	43·26	223	162
M	Kilmington (Summerleaze)	A. Hitchcock, Esq.	5	1 0	82	..	39·69	..	..
D	Axminster (Lea Combe House)	Major A. C. F. Luttrell	5	1 3	170	..	45·40	188	162
D	Honiton (Beech Grove)	Major A. T. Baker	5	0 10	340	..	45·04	208	158
D	Axminster (Coaxdon Hall)	Dr. Cecil Woodhouse	5	1 0	165	..	41·40	199	160
D	Membury (Yarty House)	Major W. H. Wilkin	5	1 0	245	..	42·10	196	149
D	Membury (Green Down)	James Lee, Esq.	5	1 0	500	..	47·36	199	158
D	Stockland (Reading Room)	R. T. Watkin-Williams, Esq., J.P.	5	1 0	350	..	48·90	197	167
	NORTH DEVONSHIRE. (Area, 898 sq. mi.)								
	1.—NORTH COAST STREAMS. 77 sq. mi.								
D	Woolacombe (Hotel Grounds)	R. W. Hansford, Esq.	5	1 0	59	..	34·50	206	156
D	Ilfracombe (Reservoir)	F. B. Goodman, Esq., C.E.	5	1 0	395	..	57·49	233	195
D	Ilfracombe (Langleigh)	H. B. Holland, Esq.	5	1 0	127	..	48·15	215	179
D	Ilfracombe (Ropery Meadow)*	F. B. Goodman, Esq., C.E.	5	1 0	74	36·0	37·80	199	154

* Formerly called Ilfracombe (Meteorological Station).

DIVISION V.—SOUTH WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
NORTH DEVONSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—TAW. 442 sq. mi.								
D Okehampton (South Zeal)	Capt. S. T. Dean-Pitt	5	0 8	750	..	55·98	221	193
Spreyton (Lynderies)	Lt.-Col. J. Simpson	5	1 0	655	..	44·90	..	..
D Witheridge	Rev. J. A. S. Castlehow	5	1 0	600	..	46·80	221	183
D High Bickington Rectory	Rev. C. V. Wansbrough	5	0 10	587	..	47·45	231	191
D East Anstey (Rhyll Manor)	Mrs. E. L. Hancock	5	1 6	850	..	51·88	187	171
D Filleigh (Castle Hill Gardens)	The Countess Fortescue	12	4 0	317	..	53·76	232	197
D Molland (Green Cot)	S. J. Case, Esq.	5	1 9	674	..	60·57	244	183
Tawstock Court (R)	Basil E. Peto, Esq.	8	1 9	150	..	42·43	..	..
D Barnstaple (N. Dev. Athenæum)	Miss E. Young	8	1 0	25	36·6	43·13	239	178
D Barnstaple (Hele Manor Park)	M. B. B. Heath, Esq.	6	1 0	130	..	42·14	206	168
D Barnstaple (Fort Hill)	Miss E. F. Sterry	5	2 3	200	..	46·19	231	184
D Barnstaple (Westaway)	Major O. L. Trechmann	5	1 0	140	..	45·68	221	182
Goodleigh (Willesleigh House)	Lt.-Col. Montague H. Hall	5	1 0	375	..	47·06	199	182
D Goodleigh (Gunn Cottage)	Major H. Sandford Claye	5	1 0	720	..	53·22	225	195
D Braunton	A. J. Besley, Esq.	5	1 0	145	..	40·84	216	167
D Arlington Court	Miss Chichester	5	1 0	613	53·8	62·18	205	193
D Challacombe	F. B. Goodman, Esq., C.E.	5	1 0	815	..	72·51	220	191
D Georgeham (Spreacombe Manor)	A. Leigh Barker, Esq.	5	0 9	340	..	46·99	220	170
3.—TORRIDGE. 342 sq. mi.								
D Okehampton (Uplands)	E. P. Burd, Esq.	5	1 0	700	46·6	62·38	236	196
D Okehampton Grammar School	W. Hunter, Esq.	5	1 0	500	..	58·32	186	177
D Jacobstowe Rectory	Rev. J. S. Hyson	5	1 0	312	..	74·66	206	167
Dolton (Hilliers)	A. Smythies, Esq.	5	1 3	380	..	47·30	224	..
D Torrington (Enfield)	G. M. Doe, Esq.	5	1 0	337	39·3	47·04	230	178
D Torrington (Stevenstone House)	Lt.-Col. B. C. James	5	1 0	395	..	46·39	185	167
D Parkham (Melbury Moor)	F. Harding, Esq.	5	1 0	633	..	57·38	209	187
D Parkham (Melbury Reservoir)	F. Harding, Esq.	5	1 0	517	..	60·66	209	199
D Buckland Brewer (The Cottage)	Miss B. G. Rogers	5	0 11	469	..	56·68	253	208
d Littleham (Orleigh Court)	W. H. Rogers, Esq.	5	1 0	260	..	(56·99)	(237)	(199)
D Landcross (South Close)	C. R. C. Hibbert, Esq.	5	1 0	100	..	43·81	215	171
D Bideford (Jennett's Res.)	F. J. Harris, Esq., C.E.	5	1 0	620	..	44·76	218	194
D Bideford (Webbery)	Mrs. C. E. Boyd	5	1 0	355	..	46·74	222	180
D Westleigh House	Rev. H. G. deC. Stevens Guille	5	1 0	187	..	41·14	231	177
D Northam (Cluden)	Miss M. L. Varwell	5	0 9	215	..	42·15	232	176
D Westward Ho! (Bellevue)	A. H. Boyd, Esq.	5	1 0	200	..	40·58	224	173
d Instow (Green Hills)	Col. F. W. Evatt	5	1 0	105	..	38·78	..	154
4.—WEST COAST STREAMS. 32 sq. mi.								
D Hartland (Fosfelle)	R. P. Chope, Esq.	5	1 0	480	..	(52·93)	220	187
D Clovelly Court	Mr. H. Tuke	5	1 0	360	..	55·35	249	206
5.—EXE. 5 sq. mi.								
CORNWALL. (Area, 1363 sq. mi.)								
1.—CAMEL & N.W. COAST STREAMS. 458 sq. mi.								
Lelant	Mrs. Tyringham	5	1 2	50	..	46·60	214	179
D Hayle (Gwythian Road)	Caldwell Harpur, Esq.	5	0 10	98	..	42·27	215	173
D Camborne	Miss I. Osborne	5	1 4	402	..	49·17	222	187
d Camborne (Uplands)	Miss M. Blanchard	5	1 0	275	..	(45·16)	..	..
D Redruth (Trewirgie)	A. P. Jenkin, Esq.	5	1 0	398	45·3	50·10	243	183
Redruth (Green Lane Nurseries)	F. Sanders, Esq.	5	1 0	270	..	45·46	..	..

DIVISION V.—SOUTH WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
CORNWALL—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—CAMEL & N.W. COAST STREAMS—(*con.*).								
D St. Agnes (Church Town)	Dr. W. C. Whitworth*	5	5 0	318	36·5	35·92	232	..
St. Agnes (Trevaunance)	J. Hitchins, Esq.	5	1 0	200	..	35·66	226	167
Newquay (Reservoir)	Dr. C. C. Vigurs	5	1 0	210	..	35·85	..	..
D Newquay (Mount Wise) No. 1	Dr. C. C. Vigurs	5	1 0	190	33·2	35·11	209	162
D Bodmin (Polgwin)	H. D. Foster, Esq.	5	1 0	400	..	56·30	233	202
D Bodmin (Castle Hill House)	Mrs. Leslie	5	1 0	484	..	56·94	249	195
Helland (Tredethy)	A. C. Hext, Esq.	5	1 6	300	..	51·20	217	178
Little Petherick (St. Petroc Ho)	G. T. Skilbeck, Esq.	5	1 2	160	..	37·40	190	174
D Wadebridge (Bryn)	Miss K. D. Phillips	5	1 6	50	..	42·91	229	186
D Wadebridge (Trewornan)	Brig.-Gen. L. J. Hext, CMG.	5	1 0	30	..	40·54	230	180
D St. Kew (Skisdon)	Mrs. Braddon	5	1 0	100	..	46·98	244	190
St. Minver (Trebetherick)	A. T. Roseveare, Esq.	9	1 0	50	..	37·84	..	..
Camelford (Lower Moor Farm)	C. J. Jenkin, Esq., C.E.	5	1 0	905	..	70·09	238	212
D Bude (School House)	Karl Durston, Esq.	5	1 0	50	..	38·72	229	175
D Bude (Flexbury Hall)	E. L. Winter, Esq.	..	..	50	..	43·36	213	183
D Morwenstow (Tonacombe Man.)	W. W. Martyn, Esq.	5	1 0	450	..	44·26	237	200
2.—FOWEY & S.E. COAST STREAMS. 620 sq. mi.								
Lizard	A. Pearse Jenkin, Esq.*	5	1 0	244	..	38·31?	..	..
D Ruan Minor	Miss H. F. Shepherd	5	1 0	210	..	38·14	219	167
D Mullion	H. H. Penrose, Esq.	5	0 10	178	..	37·25	195	157
D Porthcurno	Eastern Telegraph Co.	5	1 0	150	..	39·42	248	163
St. Keverne (Lanarth)	P. D. Williams, Esq.	5	1 3	310	..	46·87	241	179
D St. Keverne (Rosuick Cottage)	J. Oates, Esq.	5	1 0	250	..	47·05	..	..
D Constantine (Pons-a-Verran)	A. Mayne, Esq.	8	1 0	60	..	39·77	220	170
D Penzance (Trewidden)	Mr. J. H. Murley	9	1 0	275	..	45·36	225	184
Penzance (Lower Larrigan)	E. T. Gregory, Esq.	5	1 0	70	..	42·74	233	..
D Penzance (Morrab Gardens)	C. H. Benn, Esq.	5	1 0	54	40·9	44·13	132	176
d Penzance (Trengwainton House)	Lt.-Col. E. H. W. Bolitho.	10	0 0	400	..	49·04?	..	..
D Gulval (Co. Council Plot)	Mr. A. E. Gunningham	5	1 0	21	..	44·22	226	175
§D Falmouth (Pendennis Castle)	Meteorological Office	8	0 9	200	..	35·56	208	160
D Falmouth Observatory	(+A) Roy. Cornwall Poly. Soc.	5	1 0	167	43·6	44·23	206	166
D Falmouth (The Crossways)	Comdr. A. Rogers, R.N.R.	5	1 3	75	..	44·44	197	162
D Falmouth (Trefusis)	Lt.-Col. The Hon. H. W. F. Trefusis.	5	1 3	200	..	41·01	206	167
Wendron (Halwin School)	F. P. Jenkin, Esq.	5	2 0	540	..	49·79	..	..
D Penryn (Ashfield)	J. G. Stephens, Esq.	5	1 0	95	..	43·80	239	176
St. Stythians (Trevales)	Mrs. Williams*	5	0 11	495	..	54·38	..	..
M Devoran	Lord Clifden*	5	1 0	120	..	43·72	..	..
D Gwennap (Trevince)	C. H. Beauchamp, Esq.	12	1 0	240	..	48·13	233	184
St. Day (Council School)	R. R. Blewett, Esq.	5	0 9	390	..	52·02	234	188
D Truro (Killiow)	Miss E. F. A. Daubuz	5	1 0	250	..	43·67	224	182
D Truro (Tregolls)	Miss C. L. Rashleigh	5	1 0	65	..	45·55	230	173
D Truro W.W. (Lower Tregurrow)	W. J. Lean, Esq.	5	1 0	71	..	45·32	215	180
D Mevagissey	C. Metcalfe, Esq.	5	1 0	100	..	48·88	239	186
D Polperro	F. H. Perrycoste, Esq.	5	0 11	100	..	45·79	231	173
D Fowey	C. I. Wellington, Esq.	5	1 0	51	..	44·38	196	169
D St. Austell (Charlestown Old Vic.)	C. A. Battiscombe, Esq.	5	4 0	204	..	47·66	196	167
D St. Austell (Trevarna)	W. M. Coode, Esq.	5	1 0	300	45·8	51·26	227	188
D Looe (Morval)	Capt. A. H. Tremayne, R.N.	5	1 0	150	..	54·93	211	185
D Lostwithiel (The Terrace)	R. Pease, Esq.	5	0 6	110	..	61·79	266	196
D Menheniot (Coldrenick)	Rev. F. E. Trelawny	5	1 0	301	..	56·07	212	188
D Liskeard (St. Pinnock Rectory)	Rev. S. H. Farwell Roe	5	0 5	400	..	66·98	258	219
D Liskeard (Penmilder)	Miss D. P. Foster	5	1 0	350	..	54·45	219	181
St. Clear (Tregarric)	Col. J. D. A. Roberts	5	2 0	800	..	61·97	..	..
D Bolventor Vicarage	Rev. A. S. Rashleigh	5	1 0	845	..	79·75	247	213

* *Per* Cornwall Rainfall Association.
§ Exposure not orthodox.

DIVISION V.—SOUTH-WESTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
	CORNWALL—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	3.—TAMAR & C. 279 sq. mi.								
D	Devonport (Empacombe)	J. Sandercock, Esq.	5	1 0	20	36·8	42·82	204	169
D	Devonport (Cremyll)	S. B. Wilcox, Esq.	5	1 4	25	..	40·63	218	177
D	Torpoint (Trethill House)	Col. J. D. A. Roberts	5	1 0	200	..	40·87	208	166
D	Saltash (Pentillie Castle)	W. T. Johnson, Esq.	5	2 3	150	..	56·62	233	182
D	St. Mellion Rectory	Rev. Canon F. T. Wintle	5	1 0	400	..	56·53	233	181
D	Albaston (Nanaimo House)	N. R. Rosekilly, Esq.	5	4 0	500	..	50·74	203	167
d	Stoke Climsland	T. Oates, Esq.	5	1 0	458	..	48·74	232	204
D	Launceston (Landue)	Miss S. E. Tregoning	5	0 11	225	..	49·94	236	189
D	Launceston (Hexworthy)	R. B. Rogers, Esq.	5	1 0	270	43·8	51·65	239	182
D	Launceston (Pendruccombe)	Miss L. C. Seccombe	5	1 0	469	..	52·82	235	190
	Egloskerry (Tregeare)	E. G. B. Lethbridge, Esq.	5	1 6	613	47·1	53·10	..	..
	North Tamerton (Davies)	Miss M. A. Bray	5	4 0	390	..	39·63	208	173
	4.—INSULAR.—Isles of Scilly. 6 sq. mi.								
D	St. Mary's	The Meteorological Office	8	1 0	165	31·9	33·96	223	166
D	Tresco Abbey	Maj. A. A. Dorrien Smith	8	3 0	40	32·6	33·75	226	162
	SOMERSETSHIRE. (Area, 1630 sq. mi.)								
	1.—LOWER AVON. 300 sq. mi.								
D	Wanstrow (The Manor Cottage)	P. E. B. Warburton, Esq.	5	1 0	465	37·7	49·94	193	167
D	Shepton Mallet (Pondsmead)	R. A. Hobhouse, Esq.	8	1 0	710	44·9	56·91	217	183
D	Frome W. W. (Egford)	L. Slaughter, Esq.	8	2 0	270	35·8	47·38	235	168
D	Frome (Orchardcroft)	H. G. Chislett, Esq.	5	1 0	265	31·2	41·50	209	155
D	Frome (Selwood School)	Miss A. K. Coombs	5	1 7	320	33·9	44·81	225	165
D	Mells (Selwood)	Miss E. G. Horner	5	1 0	344	37·2	45·70	211	162
D	Binegar (Gurneyslade)	Rev. G. B. Hicks	5	1 0	588	43·3	54·52	207	176
D	Stratton-on-Fosse (Downside Ab)	Rev. G. B. Hicks	8	1 0	600	41·5	50·80	218	171
D	Orchardleigh Park	Major A. C. Duckworth	8	0 11	302	32·8	42·44	195	168
D	Chilcompton (The Woodlands)	C. H. M. Thring, Esq.	5	0 10	450	..	51·46	228	182
D	Chewton Mendip (The Priory)	The Earl Waldegrave	5	1 0	550	45·0	55·85	227	175
D	Midsomer Norton (Island Ho.)	Dr. G. S. Pollard	5	1 6	300	36·5	45·74	203	173
D	Midsomer Norton (Dymboro')	Dr. A. Bulleid	5	1 0	357	35·8	44·96	220	160
d	Radstock (Frome Hill)	C. H. Perry, Esq.	8	2 6	330	34·7	43·00	184	155
D	Litton (Sherborne Res.)	J. A. McPherson, Esq., C.E.	5	0 11	340	40·0	55·95	204	182
w	Harptree Hill	J. A. McPherson, Esq., C.E.	8	1 0	784	41·0	56·25	..	..
D	Hinton Blewitt Manor	Maurice Church, Esq.	5	0 8	500	39·6	52·48	238	178
d	High Littleton Vicarage	Rev. T. H. Fitzpatrick	5	0 11	446	34·7	43·18	205	169
D	Clutton (Council School)	W. J. Pullen, Esq.	5	1 0	420	..	47·36	206	160
d	Pensford (Sutton Court)	Lord Strachie	8	1 0	280	..	43·79	..	..
d	Monkton Combe (Crossways)	M. J. Lipscomb, Esq.	5	1 0	210	33·2	42·64	..	155
D	Pensford (Hunstrete House)	H. Leyborne Popham, Esq.	5	0 9	400	33·7	42·03	219	174
D	Chew Magna	J. A. McPherson, Esq., C.E.	5	1 4	180	36·3	43·90	194	161
D	Pensford (Publow School Ho.)	A. Hayes, Esq.	5	1 0	230	33·2	42·37	213	166
D	Bath (Henrietta Park)	Bath Corporation	5	1 0	66	30·3	38·57	208	154
D	Bath (Monkton Combe)	W. G. Lock, Esq.	5	1 0	450	30·3	41·19	221	171
D	Bath (Combe Lodge)	Major T. H. Clark	5	1 0	525	31·4	40·24	183	156
D	Bath (Combe Down)	Dr. T. F. Vaisey	5	0 8	550	34·0	40·94	198	165
D	Bath (Statutory Hospital)	Bath Corporation	5	1 0	520	32·8	40·72	172	159
D	Bath (Claverton Lodge)	G. Lipscomb, Esq.	5	1 3	375	29·1	38·58	188	154
D	Bath (Lansdown Place)	Sir Percy K. Stothert, K.B.E.	5	1 2	410	31·5	43·82	223	178
D	Bath (Charlcombe)	J. Dent Young, Esq., C.E.	8	1 0	325	31·4	39·02	211	151
D	Batheaston Reservoir	J. Dent Young, Esq., C.E.	5	2 0	248	31·1	44·25	235	162
d	Keynsham (Chewton Road)	A. E. Stephens, Esq.	8	2 0	134	29·6	36·08	182	160
D	Bath (Brockham End)	Mr. H. A. Holland	5	1 0	710	29·9	37·50	211	154

DIVISION V.—SOUTH WESTERN COUNTIES—(*con.*).

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	SOMERSETSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—LOWER AVON—(*con.*).								
D	Barrow Gurney Reservoir	J. A. McPherson, Esq., C.E.	5	1 6	300	36·2	44·12	218	168
D	Long Ashton (Research Station)	W. H. Neild, Esq.	8	1 0	162	34·1	41·50	232	154
D	Walton-by-Clevedon (Lyndhurst)	Rev. F. H. Fowler	5	1 0	200	..	38·35	199	153
D	Walton (Canok Lodge)	Major F. J. Winter	5	1 3	175	32·2	36·15	192	151
D	Failand House	Miss Agnes Fry	5	1 0	385	34·6	43·07	221	163
D	Portishead (Bristol Rd.)	Portishead Dist. Water Co.	5	1 6	24	34·9	43·02	201	157
	2.—YEO, AXE & BRUE. 405 sq. mi.								
D	Alford Rectory	Rev. A. B. Burney†	..	..	100	30·8	41·85	195	164
D	Somerton (Butleigh Court)	R. Neville Grenville, Esq.	8	1 2	95	30·5	40·40	198	159
D	Bruton (Redlynch Park)	W. F. Pepper, Esq.	5	1 0	390	32·9	43·34	212	163
D	Bruton (King's School)	A. W. Barnes, Esq.	5	1 2	240	..	45·98	199	148
D	Ditcheat Rectory	Rev. H. H. Tripp, M.A.	5	1 0	230	31·5	43·26	194	157
D	Street (Overleigh House)	J. B. Clark, Esq.	5	0 10	100	28·5	36·60	201	154
D	Street (Hind Hayes)	Joseph Clark, Esq.	5	1 6	78	28·8	38·30	188	151
D	Street (Millfield)	Miss Alice Clark	8	0 6	100	29·5	39·22	184	151
D	Glastonbury (St. Michael's)	Ven. Archdeacon W. Farrer	5	1 0	220	28·8	39·11	209	162
D	Edington	Major A. C. F. Luttrell	5	1 6	90	31·2	39·13	204	177
D	Chilton Polden (West House)	Mr. E. Chick	5	1 0	100	28·5	33·62	202	149
D	Shepton Mallet (Pilton)	Miss E. M. Allen	5	1 3	354	34·6	46·01	217	164
D	Shepton Mallet (Cannards Grave)	H. W. Heberden, Esq.	5	1 6	550	..	49·62	207	171
D	Shepton Mallet (Charlton)	C. E. Burnell, Esq.	5	1 0	481	38·8	50·64	207	168
D	Shepton Mallet (Field House)	F. H. Berryman, Esq.	5	1 0	500	38·6	50·67	211	173
D	Shepton Mallet (Sewage Farm)	The Surveyor, U.D.C.	5	1 0	310	38·7	47·84	209	177
D	Doulting Vicarage	Rev. H. S. Darbyshire	5	1 0	693	39·8	51·60	220	175
D	Wells (Mental Hospital)	Medical Superintendent	5	1 2	300	29·5	50·16	173	153
D	Wookey Vicarage	Rev. F. P. Synge	5	2 6	50	33·5	43·29	224	163
D	Blackford (Council School)	E. H. Phillips, Esq.	5	1 0	50	..	37·36	184	139
d	Wells (Wookey Hole Paper Mls)	W. S. Hodgkinson & Co., Ld.	5	2 0	200	35·1	44·83	..	..
d	Wookey Hole (Wookey Ho.)	E. T. Wilson, Esq.	5	1 0	250	..	(46·83)	..	..
D	Burnham (Chalbury)	H. A. Smith Spark, Esq.	5	1 0	20	29·1	38·42	215	162
D	Burnham	W. H. Chowins, Esq., C.E.	8	0 9	24	28·5	37·67	195	163
	Burnham (Berrow Road)	Rev. C. E. B. Fripp	5	1 0	10	29·3	37·89	195	159
D	Burnham (Brent Knoll)	J. Griffith, Esq.	5	5 0	25	30·3	37·82	234	163
D	Cheddar (Pumping Station)	J. A. McPherson, Esq., C.E.	5	1 0	50	33·6	43·22	203	165
w	Charterhouse	J. A. McPherson, Esq., C.E.	5	1 0	619	43·2	58·42	..	..
w	Compton Martin	J. A. McPherson, Esq., C.E.	8	1 0	276	42·4	54·93	..	..
d	Shipham (Studleigh End)	Miss E. M. Garaway	5	1 0	540	..	42·17	..	..
w	Ubley (Rookery Farm)	J. A. McPherson, Esq., C.E.	8	1 0	525	44·9	55·88	..	..
D	Winscombe (The Down)	J. Grubb, Esq.	5	1 0	295	35·8	43·55	207	164
D	Banwell (Eversleigh)	Dr. Kenneth Anderson	5	1 6	50	33·9	40·92	219	165
D	Banwell (Banwell House)	Miss M. S. Hewitt	5	1 0	50	35·0	40·63	185	158
w	Blagdon Hill	J. A. McPherson, Esq., C.E.	8	1 0	550	40·6	50·58	..	..
D	Blagdon (Pumping Station)	J. A. McPherson, Esq., C.E.	8	1 0	112	37·0	46·14	215	168
w	Blagdon (Coombe Lodge)	J. A. McPherson, Esq., C.E.	8	1 0	388	39·6	47·78	..	..
w	Ubley (Pixey Hole)	J. A. McPherson, Esq., C.E.	8	1 0	300	34·5	44·26	..	..
w	Nempnett (West Town)	J. A. McPherson, Esq., C.E.	8	1 0	263	36·3	46·08	..	..
w	Burrington (Burrington Links)	J. A. McPherson, Esq., C.E.	8	1 0	335	38·1	46·94	..	..
D	Weston-spr-Mare (Clarence Pk.)	W. H. Allen, Esq.	5	1 0	28	31·7	37·79	184	144
D	Weston-spr-Mare (Bristol Rd.)	F. Lee, Esq.	5	1 0	75	34·7	38·71	194	151
d	Weston-super-Mare (Feltrim)	Mrs. Chester-Master	..	..	150	..	40·39	..	..
D	Churchill (Langford House)	Sidney Hill, Esq.	8	0 10	90	..	(47·41)	226	176
w	Butcombe (Cholwell)	J. A. McPherson, Esq., C.E.	8	1 0	370	38·9	47·85	..	..
D	Wrington (The Cottage)	H. C. Bristowe, Esq., M.D.	5	6 0	100	33·2	41·25	199	151
D	Wrington (West Hay)	Miss M. C. Meade-King	5	1 2	98	34·0	45·22	224	175
D	Wrington (Yeomans)	J. Stuckey, Esq.	5	4 0	135	35·4	40·55	185	152
D	Yatton (Chelvey)	J. A. McPherson, Esq., C.E.	8	0 8	60	32·5	41·41	204	160
D	Backwell Hill	W. Garnett, Esq.	5	1 0	490	33·2	41·26	192	157

† *Per* Mid-Wessex Rainfall Association.

DIVISION V.—SOUTH WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with .01 in. or more.	Days with .04 in. or more.
SOMERSETSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—YEO, AXE & BRUE—(*con.*).								
D West Town	Theodore Robinson, Esq.	5	2 0	85	34·6	(41·29)	230	165
D Flax Bourton (The Grange)	C. Onslow Master, Esq.	5	1 0	120	34·0	41·69	180	166
D Clevedon (Gas Works)	J. Harger Pye, Esq.	5	1 2	22	33·5	34·56	189	147
D Clevedon W. W. (Tickenhm Rd.)	J. Harger Pye, Esq.	5	1 6	70	31·2	35·28	195	146
d Clevedon (Bowling Green)	H. H. Brook, Esq.	5	0 11	126	33·8	37·27	..	..
D Clevedon (Mt. Heber Cottage)	G. M. S. Farmer, Esq.	5	1 0	144	34·3	35·93	205	149
D Wraxall Court	Mr. G. Hyde	5	0 10	200	..	41·02	194	171
3.—PARRETT. 568 sq. mi.								
D Chard (High Street Council Sch.)	F. Barnard, Esq.	5	1 2	425	39·1	44·90	218	163
D Crewkerne (The Reservoir)	E. H. Munford, Esq.	8	1 0	426	33·7	36·93	198	147
D Crewkerne (Bincombe House)	Mrs. R. H. Symons	5	1 3	293	34·7	40·03	193	156
D Crewkerne (Mark's Barn)	Mrs. R. Blake	8	0 9	260	32·1	36·36	192	148
D Chaffcombe House	Col. L. H. Noblett	5	0 11	400	33·1	40·41	219	146
D Combe St. Nicholas	Rev. G. de Y. Aldridge	5	2 6	580	38·4	45·85	249	175
D Coker Court Gardens	Mr. T. H. Gilham	5	1 3	255	33·7	40·86	184	161
D West Coker	G. F. Deedes, Esq.	5	1 6	265	29·6	36·09	183	147
D Ilminster (Whitelackington Ho.)	S. Creed, Esq.	5	3 0	200	33·0	40·54	191	140
D Ilminster (Dillington Park) (R)	Mr. W. Goldthorpe	8	3 0	161	35·6	41·13	192	153
D Yeovil (Pen Mill Sewage Works)	Dr. C. W. Gee	5	1 0	102	30·6	37·28	226	153
D Angersleigh (Leigh Court)	A. Eastwood, Esq.	8	1 0	360	35·0	41·97	216	159
D Martock Vicarage	Rev. G. W. Saunders	5	0 9	61	29·6	37·60	186	144
D Yeovil (Rimpton)	P. B. Cardwell, Esq.	5	0 5	147	..	36·85	222	145
D Taunton (The Park)	Dr. John Allen	5	1 0	71	29·5	34·32	210	139
D Taunton (Holy Trinity School)	A. P. Guest, Esq.	5	1 0	65	29·1	34·49	206	148
D Milverton (Spring Grove)	Major R. C. Coldwell	5	1 0	449	36·7	43·30	215	171
D Wiveliscombe (Culverhead)	T. R. Marsh, Esq., C.M.G.	5	1 0	450	39·6	44·84	197	164
D Langport (The Grange)	Miss V. M. Page	5	1 0	50	27·9	35·25	272	150
D Langport (Council School)	H. G. Jefferies, Esq.	5	1 0	52	28·1	32·71	216	137
d N. Cheriton (Maperton House)	Mr. W. Smith	5	1 3	390	35·3	44·47	205	157
D Somerton (The Grange)	R. W. Pretor-Pinney, Esq.	5	1 0	106	27·8	34·51	178	141
D Kingston (Camplins)	Mr. H. Jones	5	1 0	250	30·3	36·75	217	155
d North Newton	D. W. Hurd, Esq.	5	0 9	50	..	36·65	209	151
Aisholt (Timbercombe)	Mrs. J. C. A. White	5	1 2	700	33·2	40·47	..	..
D Bagborough Rectory	C. Hubert Lance, Esq.	9	1 0	470	34·1	41·50	221	167
D Bridgwater (Blake Gardens)	H. P. Bishop, Esq., C.E.	5	3 1	27	28·5	37·39	193	147
D Bridgwater (Wembdon Road)	H. Corder, Esq.	5	1 0	30	29·9	37·69	197	154
D Spaxton (Furzydown)	Mrs. C. Woodhouse	5	1 0	290	..	48·34?	205	162
d Cannington (Ashford)	H. P. Bishop, Esq., C.E.	5	1 1	102	31·4	40·05	..	130
D Cannington (Brymore)	P. H. P. Bouverie, Esq.	5	2 0	65	30·2	39·32	211	167
4.—NORTH COAST STREAMS. 158 sq. mi.								
D Washford (Croydon Hall)	Capt. J. W. Bridges	6	1 3	680	41·6	47·65	212	173
D Bicknoller (Ford)	John Tracey, Esq.	5	1 3	150	33·0	40·64	211	156
d Bicknoller (Willett)	H. C. Venning, Esq.	5	1 0	450	35·1	41·83	184	160
Williton (Aller Farm)	R. G. Hosegood, Esq.	5	2 6	175	32·4	41·59	196	163
Williton (The White House)	S. L. Rogers, Esq., J.P.	5	1 9	97	30·6	38·38	201	153
D Kilve Court	J. C. Hurle, Esq.	5	1 0	150	30·0	40·72	200	150
D Stogursey	Lord St. Audries	5	1 0	140	..	39·65	200	157
D Stogursey (Fairfield House)	Lord St. Audries	5	1 0	150	31·1	40·02	194	155
D Dunster	E. S. Cantle, Esq.	6	1 0	80	..	38·41	199	153
D Porlock (Lynch Mead Allerford)	J. Dyke Acland, Esq.	5	1 3	113	34·6	39·13	218	155
D Porlock (Bush Steep)	Rev. W. P. Holmes	5	0 9	130	43·2	43·33	199	165
d West Porlock (Underway)	N. G. Hadden, Esq.	5	1 0	80	44·2	52·59	..	162
D Culbone (Lillycombe)	E. T. Macdermot, Esq.	5	1 0	1210	50·5	60·92	232	197

DIVISION V.—SOUTH WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
SOMERSETSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—EXE. 122 sq. mi.								
D Churchstanton	Miss C. E. Ryves	5	1 0	800	..	45·91	215	158
D Exbridge	T. F. Tracy, Esq.	5	1 0	410	44·1	49·29	212	175
Brushford Rectory	Rev. B. J. du Boe	5	1 0	450	44·3	52·19	215	182
D Brushford Nurseries	Mr. G. Ruff	5	1 2	430	44·1	50·50	226	176
D Hawkridge (Liscombe)	Mr. E. W. Darby	5	3 6	980	57·8	70·23	248	197
D Withypool (Comers Cross)	J. Warry, Esq.	5	1 0	1140	..	66·02	227	192
D Cutcombe (Wheddon Cross)	W. J. Tovey, Esq.	5	1 6	945	49·5	59·32	216	183
Exford (North Ley)	F. G. Heal, Esq.	5	5 6	1000	54·8	66·29	..	..
D Exford (Foxcombe)	Cmdr. Q. B. Preston-Thomas, R.N.	5	1 2	1050	53·7	62·79	222	195
Simonsbath	Mrs. A. H. Molland	5	0 10	1080	65·3	75·11	..	..
6.—AXE. 42 sq. mi.								
D Cricket St. Thomas (Cricket Ho.)	Mr. G. F. Richardson	5	1 0	444	39·3	(46·02)	193	151
7.—STOUR. 35 sq. mi.								
D Temple Combe Rectory	Rev. Preb. R.W. Windsor	5	1 3	215	34·9	44·01	200	161
D Temple Combe (Cheriton Ho.)	W. Wise, Esq.†	..	..	..	31·1	42·41	206	173
D Wincanton (Roundhill Grange)	Maj.-Gen. C. H. P. Ducat	5	1 1	375	32·7	43·41	216	167

DIVISION VI.—WEST MIDLAND COUNTIES.

GLOUCESTERSHIRE. (Area, 1243 sq. mi.)

1.—WYE. 50 sq. mi.								
D Chepstow (Castleford)	Mrs. W. R. Lysaght	5	0 11	146	..	46·40	205	165
D Chepstow (Pen Moel)	W. R. Price, Esq.	5	1 0	240	..	45·64	195	157
D St. Briavels (St. Briavels House)	Surg.Capt.O.W.Andrews,RN.	5	1 0	750	..	54·35	215	161
d Forest of Dean (Ruardean H.Lo.)	Office of Woods	8	1 0	932	..	43·75	..	..
D English Bicknor (Bicknor House)	T. F. Harvey, Esq.	5	2 0	490	..	40·72	209	150
D Lydbrook (Viaduct House)	G. S. Damsell, Esq.	5	1 0	95	..	38·06	222	148
2.—SEVERN—Right Bank Tributaries. 176 sq. mi.								
D Lydney (Clanna Cottage)	Brig.-Gen. A. M. Tyler	8	0 10	359	..	48·37	211	156
D Forest of Dean (Blakeney Hill)	Office of Woods	8	1 0	500	..	40·93	195	158
d Forest of Dean (Whitemead Pk.)	Office of Woods	8	1 0	200	..	45·06	174	140
D Forest of Dean (Worcester Lo.)	Office of Woods	8	0 11	712	..	46·82	179	145
D Coleford (Cannop Colliery)	J. J. Joynes, Esq.	5	10 0	300	..	43·53	208	153
Westbury-on-Severn (Elton)	Samuel Bullock, Esq.	5	1 4	85	..	37·40	189	127
D Westbury-on-Severn (Ninnage L.)	Miss N. E. Grant	5	3 0	120	..	36·71	206	147
D Forest of Dean (Edgehills Lodge)	Office of Woods	8	1 0	915	..	43·72	209	160
D Newent (Clifford Manor)	F. F. Grafton, Esq.	5	1 5	310	..	38·88	183	155
D Oxenhall (Dymock Woods)	Office of Woods	8	1 0	232	..	33·81	184	134
D Bromsberrow Heath Pump. Stat.	W. Osborne Thorp, Esq., C.E.	5	1 0	181	..	35·76	178	134
D Tewkesbury (Forthampton Ct.)	Mr. B. Webster	5	1 0	48	..	31·16	205	139
D Tewkesbury (Upper Lode)	J. E. Bradley, Esq.	..	..	..	25·2	30·25	201	130
3.—SEVERN—Left Bank Tributaries. 372 sq. mi.								
d Thornbury (Thornbury House)	H. V. Gillett, Esq.	5	1 8	110	..	39·11	..	138
D Thornbury (Thornbury Park)	Capt. R. A. Bennett	5	1 3	70	..	37·71	202	154
D Tortworth Court	Mr. J. Banting	8	1 0	264	..	37·99	196	155
D Tortworth School	E. A. Smith, Esq.	5	1 6	264	..	38·05	194	148
D Wotton-under-Edge (Claremont)	R. Penney, Esq.,	5	0 6	350	..	36·54	216	152
D North Nibley (Nibley House)	Lt.-Col. J. D. Buckton, V.D.	5	1 0	380	..	35·82	210	153
D Dursley (The Manor)	Miss H. M. Hutton	5	1 1	274	..	40·37	204	163

† *Per* Mid-Wessex Rainfall Association.

DIVISION VI.—WEST MIDLAND COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with .01 in. or more.	Days with .04 in. or more.
	GLOUCESTERSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	3.—SEVERN—Left Bank Tributaries—(*con.*).								
D	Avening House	Lady Eleanor Atkinson	8	1 3	350	..	38·15	183	160
D	Avening (Gatcombe)	Colonel H. G. Ricardo	8	1 0	550	..	39·22	178	162
D	Berkeley Castle Gardens	Mr. T. B. Ashbee	5	1 6	60	..	38·14	193	152
D	Nailsworth (Three Corners)	F. R. Rushton, Esq.	5	0 9	325	..	40·93	212	161
D	Berkeley (Sharpness Docks)	F. G. Marling, Esq.	5	2 0	50	..	41·05	228	153
D	Minchinhampton (The Shard)	E. H. Denne, Esq.	5	0 8	500	..	38·19	204	158
D	Minchinhampton (Rectory Cott.)	G. W. Fisher, Esq.	5	1 0	610	..	41·31	218	161
D	Minchinhampton (Camp Field)	Miss B. M. Legh	5	1 6	650	..	43·33	209	162
D	Frocester Manor	Capt. J. E. H. Graham-Clarke	5	1 6	80	..	32·56	183	167
D	Stroud (Rodborough)	Rev. W. A. Jones	5	1 0	400	..	37·74	201	154
D	Stonehouse (Wycliffe College)	W. A. Sibly, Esq.	5	..	120	..	35·70	176	139
D	Bisley (Jaynes Court)	Hugh T. Coles, Esq.	5	0 11	777	..	41·44	239	180
	Stroud (Berrimans)	E. Armitage, Esq.	5	1 0	750	..	40·09	..	..
D	Stonehouse (Parklands)	W. Grey Robinson, Esq. J.P.	5	2 6	103	..	34·56	206	148
M	Stroud (Lypiatt Park)	Mr. A. J. Buck	5	1 0	820	..	38·41	..	..
D	Whitminster (The Junction)	A. J. Cullis, Esq., C.E.	5	1 0	23	..	37·86	212	158
D	Haresfield Court	Mrs. Tidswell	5	0 10	100	..	41·20	206	156
D	Harescombe Grange	Stamford Hutton, Esq.	5	1 0	557	30·7	38·72	219	159
D	Quedgeley House	Miss M. F. Curtis-Hayward	5	1 3	65	27·9	35·27	236	144
D	Witcombe Reservoir	C. J. Scudamore, Esq.	8	3 0	297	..	34·77	194	144
D	Brockworth (The Kia)	Mrs. Grace Buckle	5	1 4	220	..	33·63	191	130
D	Gloucester (The Park)	R. H. Ellis, Esq.	8	1 3	56	..	31·97	199	140
	Gloucester (Northernhay)	Harley Butt, Esq.	5	1 7	79	..	23·25	..	136
d	Gloucester (Llanthony Lock)	J. E. Bradley, Esq.	5	1 2	39	..	33·15	..	131
D	Gloucester (Maisemore Lock)	J. E. Bradley, Esq.	5	1 1	39	..	31·26	198	137
D	Churchdown (Barrow Hill)	Mrs. J. H. Jones	5	1 0	225	..	36·74	220	142
D	Dowdeswell Reservoir	J. S. Pickering, Esq., C.E.	5	1 3	357	..	36·26	193	141
D	Cheltenham (Thirlestane Hl) (R)	J. Player, Esq.	8	2 0	240	..	35·63	207	145
D	Charlton Kings (The Grange)	Miss E. M. Heberden	5	0 9	300	..	36·71	206	147
D	Cheltenham (Hewletts Res.)	J. S. Pickering, Esq., C.E.	8	1 6	419	..	34·83	201	149
D	Cheltenham (Sandford Mead)	J. S. Pickering, Esq., C.E.	5	2 6	210	..	32·62	194	134
D	Cheltenham (Montpellier Gds.)	Lt.Cmr. J. Orgee, D.S.C., R.N.	5	1 0	214	26·5	31·64	197	137
D	Cheltenham (Suffolk Square)	Rev. Preb. H. T. Williamson	5	1 0	227	..	30·96	192	137
D	Cheltenham (Swindon)	J. C. M. Stanton, Esq.	8	1 2	136	..	30·51	199	137
D	Cheltenham (Cleeve Hill)	C. H. Bastow, Esq.	8	3 0	660	..	31·63	203	144
D	Tewkesbury Pumping Station	J. S. Pickering, Esq., C.E.	5	1 0	47	..	28·55	199	125
	4.—SEVERN—Upper Avon. 99 sq. mi.								
D	Winchcombe (Sudeley Castle)	Major J.H.D. Brocklehurst.	5	1 0	357	..	36·41	189	151
D	Broadway (Buckland Manor)	Mr. J. Whiteley	5	1 0	300	..	34·92	191	147
D	Mickleton (Bank House)	M. J. Salter, Esq.	5	1 0	250	..	30·55	196	134
d	Mickleton (Church View)	A. J. Joynes, Esq.	5	1 0	245	..	(30·62)	..	..
	5.—LOWER AVON & C. 198 sq. mi.								
D	Bath (Monkswood Reservoir)	J. Dent Young, Esq., C.E.	5	2 0	365	..	38·23	216	153
D	Bristol (Tyndalls Pk. Rd.) (+A)	Maj.E.J.Dunscombe, R.F.A.	5	1 4	150	..	40·77	213	155
D	Bristol (Redland)	H. A. Rogers, Esq.	5	1 6	180	..	38·89	207	159
D	Clifton (Oakfield Road)	J. A. McPherson, Esq., C.E.	5	1 0	200	..	41·05	211	162
D	Clifton College	W. C. Badcock, Esq.	8	1 2	225	33·9	40·23	210	159
	Bristol (St. Andrew's Park)	H. Vicars Webb, Esq.	5	1 6	200	..	40·05	..	159
D	Filton	F. W. Gayner, Esq.	5	2 0	200	..	35·63	206	160
	Winterbourne (Kendleshire)	J. Marsh, Esq.	5	1 0	170	..	(34·76)	..	..
D	Frampton Cotterell (Park Ho.)	H. H. Harding, Esq.	5	1 0	158	..	36·72	211	156
D	Chipping Sodbury (Horton Hall)	Colonel P. Burges	5	1 0	380	31·5	39·15	180	150
D	Almondsbury (Over Court Park)	J. Cann-Lippincott, Esq.	5	1 0	147	..	38·06	203	158
D	Almondsbury (Ridgewood)	R. E. Potter, Esq.	5	0 8	200	..	37·63	187	157
	6.—THAMES—Right Bank Tributaries. 15 sq. mi.								

* Formerly known as Cheltenham (High St.).

DIVISION VI.—WEST MIDLAND COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
	GLOUCESTERSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	7.—THAMES—Windrush & c. 333 sq. mi.								
d	Somerford Keynes (Manor Ho.)	F. Fawcett, Esq.	5	0 10	450	..	33·26	..	148
D	Fairford (Dunfield, Kempsford)	A. T. Iles, Esq.	5	1 0	260	25·6	36·38	205	152
D	Maiseyhampton (The Nest)	W. L. Stanton, Esq.	5	1 1	345	..	35·95	201	158
D	Fairford Vicarage	Rev. Canon R. C. S. Jones.	5	2 9	280	..	35·02	200	162
	Lechlade (St. John's Lock)	Thames Conservancy	5	3 2	236	..	36·47	196	153
D	Lechlade (Claydon House)	T. T. S. Metcalfe, Esq.	5	1 0	250	..	34·99	203	152
D	Cirencester (Cripps Mead)	Mrs. Wilfred Cripps	8	0 8	366	..	39·27	195	142
D	Cirencester (Argyll House)	Prof. E. Blundell	5	2 6	325	..	37·08	179	154
D	Cirencester (Gwynfa)	Nigel Woods, Esq.	5	1 0	354	30·8	39·34	210	165
D	Daglingworth Manor	J. Herbert Scrutton, Esq.	8	0 10	450	..	38·15	193	155
D	Cirencester (Barnsley Pk.)	H. W. Wykeham-Musgrave, Esq.	5	0 10	495	..	39·75	220	161
D	Aldsworth	T. Rich, Esq.	5	1 6	430	..	39·63	202	158
D	Great Barrington	H. J. Barrett, Esq.	5	1 6	417	..	37·85	204	154
D	Northleach (Sherborne House)	Mr. A. Mitchell	5	1 0	420	30·7	36·65	182	162
D	Northleach (Leygore Manor)	Arthur E. Moss, Esq.	5	1 0	650	..	35·52	220	153
D	Bourton-on-Water (Eastfield)	E. W. Kendall, Esq.	5	1 6	434	..	37·51	195	147
	Bourton-on-Water (Chardwar)	G. F. Moore, Esq.	5	1 0	430	..	37·17	178	150
D	Bourton-on-Water Rectory	Rev. Canon W. E. White.	5	0 10	433	..	36·75	178	143
	Stow-on-the-Wold (Icomb Place)	Capt. G. H. Simpson Hayward	8	1 3	500	..	37·63	206	154
D	Winchcombe (Temple Guiting Ho.)	Major C. Stacey	5	1 10	700	..	41·63	217	168
	HEREFORDSHIRE. (Area, 840 sq. mi.)								
	1.—WYE. 685 sq. mi.								
D	Goodrich Court Gardens	Mrs. G. R. Trafford	5	1 7	200	29·9	37·33	188	146
D	Walford (Hill Court)	G. R. Trafford, Esq.	5	1 1	161	28·4	33·78	197	131
D	Ross (County Observatory)	F. J. Parsons, Esq	5	1 0	223	27·4	34·51	190	135
D	Ross (Birchlea)	Miss M. L. Southall	5	1 0	210	28·2	36·22	209	147
D	Bridstow (Ashe Leigh)	Major W. Stanley R. Cox.	5	1 0	220	27·4	32·50	178	142
D	Kentchurch Rectory	Rev. R. P. Dansey	5	1 0	220	34·6	42·09	204	159
d	Perrystone Court	Major-Gen. G. S. Clive, D.S.O.	5	1 3	450	25·5	33·09	174	139
	Brockhampton Court	Lt.-Col. A. W. Foster	8	4 0	500	27·7	35·30	..	..
D	Fownhope (Morney Cross)	A. P. Maudslay, Esq., D.Sc.	5	1 0	200	..	34·41	207	126
D	Vowchurch (Ladywell House)	A. S. Wood, Esq.	5	1 0	400	34·9	41·44	206	154
D	Hereford (Belmont Abbey)	The Prior	8	1 0	291	27·6	33·82	167	137
D	Hereford (Barton House)	Rev. A. G. Jones	8	1 0	179	26·3	33·86	208	139
D	Hereford (Breinton Court)	H. A. Wadworth, Esq.	5	4 0	238	25·9	31·68	193	132
	Hereford (Barton Road)	W. Cooke, Esq.	8	1 0	190	26·2	36·88	..	..
D	Hereford (Holmer Hall)	Rev. Preb. M. Hopton	8	1 3	244	25·1	34·13	218	143
	Tyberton Court	Major C. B. L. Warner	5	0 10	276	..	35·76	190	147
D	Credenhill (Stretton Sugwas)	Capt. S. H. Armitage	5	1 0	226	25·8	31·65	200	140
D	Credenhill	F. E. Whiting, Esq.	5	1 5	275	27·5	31·60	186	135
D	Burghill	F. Boddington, Esq.	5	1 3	310	..	29·36	181	129
D	Ocle Pychard (Ocle Court)	G. Creswell, Esq.	8	1 2	298	27·8	36·41	237	145
	Sarnesfield Court	Rev. W. Marshall	5	1 0	378	..	34·52	185	137
D	Weobley School	A. J. Dean, Esq.	5	1 0	320	29·5	34·98	237	145
D	Dilwyn (Townsend House)	Dr. T. Lambert Hall	5	0 8	290	27·6	34·03	186	133
D	Pembridge (Burton Court)	Mrs. Clowes	5	1 6	400	28·4	35·68	197	159
D	Bromyard (Birchyfields)	Lt.-Col. J. E. Knott, C.M.G.	5	1 3	545	..	34·79	177	139
D	Bromyard (Dumbleton Cottage)	T. V. Philpott, Esq.	5	1 0	392	29·0	37·09	189	136
D	Kington (Lynhales)	Mrs. R. F. Hibbert	5	1 0	620	..	36·76	200	156
D	Kington (Hill Court)*	J. E. Barendt, Esq.	5	0 8	595	..	(40·52)	(197)	(161)
M	Kington (Sunset)	H. Langston, Esq.	5	1 6	495	32·0	37·05	..	..
D	Humber Rectory	Rev. B. G. Way	5	1 6	450	30·9	34·74	198	151
D	Leominster (Hennor)	Capt. L. R. Hibbert	5	1 1	440	..	31·97	200	137
D	Kimbolton (Grantsfield)	J. M. Hutchinson, Esq.	5	1 0	424	28·4	33·26	193	143
D	Eyton (Old Hall)	R. H. Evans, Esq.	5	0 9	310	27·9	33·77	188	151

* Formerly known as Montfort House.

DIVISION VI.—WEST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
HEREFORDSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—SEVERN.—Right Bank Tributaries. 155 sq. mi.								
D Ledbury (Donnington Hall)	Col. C. Spence Colby, C.M.G.	5	1 0	..	..	35·78	170	141
D Much Marcle (The Mount)	Miss A. M. Charles	5	0 8	240	25·8	32·80	183	137
d Much Marcle (Hall Court)	Mrs. J. J. S. Powell	5	1 0	200	..	33·20	(172)	(141)
D Ledbury (Underdown)	S. H. Bickham, Esq.	5	1 0	307	27·1	34·54	194	140
Ledbury (Munsley)	John Riley, Esq.,	5	1 0	330	..	37·73	209	160
D Colwall (The Downs)	F. M. Day, Esq.	5	1 0	500	..	34·67	176	127
Cradley (Mill Bank)	Lt.-Col. E. H. Thurlow	5	1 0	320	28·4	33·31	..	150
D Brampton Bryan	J. R. H. Harley, Esq.	8	1 2	450	..	38·39	178	151
Leintwardine	E. Charnock, Esq.	5	1 6	450	31·9	38·43	..	..
SHROPSHIRE. (Area, 1343 sq. mi.)								
1.—MERSEY.—Weaver. 27 sq. mi.								
2.—DEE. 30 sq. mi.								
D Whitchurch (Fenns Bank)	M. W. Sowden, Esq., C.E.	8	1 0	271	27·1	33·59	198	158
D Overton (Sodylt Hall)	W. H. Horsfall, Esq.	5	1 0	266	29·7	35·52	172	161
3.—SEVERN.—Right Bank Tributaries. 722 sq. mi.								
d Ashford House	C. L. Hall, Esq.	5	0 5	315	32·0	37·65	..	133
d Ludlow (Southcot)*	C. T. Marston, Esq.	5	1 0	399	..	34·55	..	..
D Bromfield (Oakley Park)	Mr. J. R. Francis	5	1 0	300	29·7	36·51	184	151
D Bromfield (Warwick House)	F. Brayshaw, Esq.	5	1 0	320	30·3	36·63	214	156
D Bitterley Rectory	Rev. Preb. J. R. Burton	5	1 6	509	28·1	37·33	193	171
D Stanton Lacy Vicarage	Miss I. Armitage	5	0 8	304	28·1	36·21	211	161
M Llanfairwaterdine (The Green)	The Meterological Office	5	1 9	950	31·8	41·20	..	..
D Culmington Manor	T. W. Shaw, Esq.	5	1 4	580	29·6	34·90	186	153
D Wistanstow	J. W. Clarke, Esq.	8	1 0	480	..	33·95	184	151
D Burwarton Hall	Rt. Hon. Viscount Boyne	5	1 0	894	33·6	42·83	192	167
D Lydbury North (Totterton H.)	Major W. H. B. Whitaker	5	1 6	700	30·8	35·87	210	160
D Bishops Castle (Castle Street)	E. Griffiths, Esq.	5	2 0	720	31·0	37·03	211	163
D Bishops Castle Vicarage	Rev. G. W. Stewart	5	1 6	596	32·8	36·65	211	171
D Church Stretton (Sewage Works)	E. J. Marsh, Esq.	5	1 0	582	33·7	45·37	222	178
d Church Stretton (West Leigh)	H. Constantine, Esq.	5	0 8	700	34·2	(40·77)	..	..
D Church Stretton (St. Margaret's)	Rev. J. H. Kidson	5	0 11	672	..	42·28	216	165
D Bridgnorth (Cantreyn)	W. Bayliss, Esq.	5	1 0	290	26·7	31·00	193	150
D Chirbury (Marrington Hall)	Lt.-Col. S. D. Price-Davies	5	1 0	490	29·5	36·34	182	159
D Church Preen (Preen Cottage)	Mr. J. Hopkins	5	1 0	760	29·1	33·97	190	151
D Church Stretton (Wolstaston)	Rev. Alan Clover, M.A.	5	1 0	795	31·9	40·02	193	158
D Much Wenlock (Willey Park)	Col. Lord Forester	5	3 0	492	28·2	31·69	191	143
D Dorrington School	J. A. Narraway, Esq.	5	1 2	350	..	33·15	234	157
D Shrewsbury (Beckbury House)	G. H. Horsfall, Esq.	5	0 9	220	22·1	30·47	184	146
D Shrewsbury (Radbrook Hall)	Major D. D. Macpherson	5	0 8	235	24·3	30·11	202	146
D Shrewsbury (Longden Road)	W. Deedes, Esq.	5	1 6	250	..	28·75	179	130
4.—SEVERN.—Left Bank Tributaries. 564 sq. mi.								
Bridgnorth (Coton Hall)	Capt. Colville	5	1 6	460	27·8	34·88	202	159
D Bridgnorth (Quatt)	G. C. Wolryche-Whitmore, Esq.	5	2 0	250	..	32·95	194	156
D Ackleton (The Folley)	H. J. Bath, Esq.	5	1 0	230	..	32·21	227	146
Ackleton House	F. J. Neale, Esq.	8	1 3	270	..	30·87	199	140
D Shifnal (Hatton Grange)	Mr. G. Risebrow	5	3 6	262	26·1	29·34	196	144
d Shifnal (National Schools)	T. F. Chard, Esq.	5	1 5	283	28·2	27·59	..	..
d Wellington W.W. (Wrekin Res.)	The Surveyor	6	1 6	478	25·7	34·75	(170)	(139)
D Wellington (Leegomery House)	Harper's Adam's Agric. Col.	5	1 0	258	..	29·30	189	142
D Shrewsbury (Coton Hill)	Dr. M. Gepp	5	0 8	190	22·1	28·81	193	149
D Shrewsbury (Roden)	J. W. Nowell, Esq.	8	1 2	207	25·2	28·07	200	148
Shrewsbury (Fitz Rectory)	Rev. W. Brewster	5	1 2	238	26·2	30·58	185	..
D Lilleshall (Donnington Wood)	W. Perry, Esq.	5	1 6	300	..	34·08	244	150
D Newport (Aston Hall)	Col. R. Leeke	5	0 11	280	27·7	30·93	209	151

* Formerly known as Ludlow (Gravel Hill).

DIVISION VI.—WEST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
SHROPSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—SEVERN—Left Bank Tributaries—(*con.*)								
D Newport (Agricultural College)	The Principal	5	1 0	220	24·8	27·54	186	139
D Newport (Chetwynd Park)	Mrs. Burton Borough	5	1 0	240	28·3	32·27	215	162
D Grinshill (Sansaw Hall Gardens)	Capt. F. B. Bibby	5	0 10	300	25·7	34·72	206	174
d Myddle (Marton Hall)	Major R. W. Doyne	5	1 0	280	27·4	32·44	..	..
D Cheswardine (Knighton Res.)	Canal Engineer, L.M.&S.R.	8	1 0	351	30·0	32·37	194	155
D Cheswardine Hall	Col.R.C.Donaldson-Hudson	5	1 6	530	28·6	30·41	207	149
D Oswestry (Mount Res.)	G. W. Lacey, Esq., C.E.	5	1 0	698	34·5	43·91	217	160
D Oswestry (Council School)	E. Compton, Esq.	5	1 0	450	..	41·99	204	164
D Ellesmere	Canal Engineer, L.M.&S.R.	8	1 0	368	28·6	34·57	222	156
D Norton-in-Hales School	Chas. Chadwick, Esq.	5	1 3	350	30·5	32·74	226	166
STAFFORDSHIRE. (Area, 1171 sq. mi.)								
1.—MERSEY—Weaver. 50 sq. mi.								
2.—SEVERN—Left Bank Tributaries. 160 sq. mi.								
D Kinver (Prestwood)	F. J. Dixon, Esq., C.E.	5	1 0	179	..	34·14	180	143
D Kingswinford (Ashwood P.S.)	F. J. Dixon, Esq., C.E.	5	1 0	207	..	35·56	183	152
D Dudley (Shavers End)	F. J. Dixon, Esq., C.E.	5	1 0	745	..	36·54	203	159
D Penn (Church Hill)	Rev. H. N. Fowler	5	1 1	500	..	34·48	212	156
D Wolverhampton (Copthorne Rd)	Kenneth C.Berrington,Esq.	5	0 9	500	..	37·32	196	151
D Wolverhampton (Town Hall)	H. B. Robinson, Esq., C.E.	5	15 6	482	..	37·27	187	149
D Wolverhampton (West Park)	Dr. R. H. H. Jolly	5	0 10	430	..	35·81	216	148
D Wolverhampton(MerridaleGro.)	H. Hodgkinson, Esq.	5	1 4	..	..	32·03	171	151
D Tettenhall (The Hollies)	R. C. Sikes, Esq.. C.E.	5	1 0	355	..	33·56	229	149
D Patshull Park	Earl of Dartmouth, K.C.B.	8	0 6	279	..	31·53	189	146
D Shifnal (Weston Park)	Earl of Bradford	5	1 6	400	..	33·42	225	157
D Norbury Junction	Canal Engineer, L.M.&S.R.	8	1 0	332	..	32·47	210	156
D Market Drayton (Old Springs)	F. E. Harding, Esq.	5	1 8	422	28·9	31·31	205	151
D Maer Hall Gardens	Miss Harrison, M.B.E.	8	1 3	390	..	35·94	204	179
D Mucklestone(WilloughbridgeLo.)	M. D. Hill, Esq.	5	0 9	450	..	29·39	177	155
3.—TRENT—Right Bank Tributaries. 518 sq. mi.								
D West Bromwich	(+A)A.D.Greatorex, Esq., C.E.	8	1 7	543	..	39·53	196	148
D Wednesbury (Ocker Hill)	H.K.S.Woodhouse,Esq.,C.E.	5	1 0	476	..	36·51	199	147
D Walsall (Bescot Sewage Farm)	J. Taylor, Esq., C.E.	8	0 11	376	..	37·25	220	152
D Walsall (Wednesbury Sew. Wks)	G. Wicks, Esq.	5	2 8	381	..	32·44	192	130
D Darlaston (Sewage Works)	S. E. Hammonds, Esq.	8	1 6	393	..	34·73	184	147
D Bilston (The Lunt Outfall)	A. F. B. Sidwick, Esq., C.E.	8	1 0	423	..	36·47	192	143
D Aldridge (Bourne Vale)	F. J. Dixon, Esq., C.E.	5	1 0	419	..	31·78	187	152
D Shenstone (Little Hay)	F. J. Dixon, Esq., C.E.	5	1 0	298	..	31·33	181	137
D Bloxwich (Sneyd Reservoir)	H.K.S.Woodhouse,Esq.,C.E.	5	1 0	507	..	37·92	207	144
D Brownhills	S. Harrison, Esq., C.E	8	1 2	492	..	34·43	202	150
D Brewood (Slade Heath P.S.)	F. J. Dixon, Esq., C.E.	5	1 0	340	..	34·69	192	147
D Hammerwich(CannockCh.Res.)	H.K.S.Woodhouse,Esq.,C.E.	5	1 0	475	..	35·34	208	160
D Brewood (Belvide Reservoir)	Canal Engineer, L.M.&S.R.	5	1 0	367	..	30·69	194	150
D Lichfield (St. John Street)	Dr. F. M. Rowland, C.B.E.	5	1 0	269	..	32·11	213	144
D Hednesford (Scout House)	F. J. Dixon, Esq., C.E.	5	1 0	750	..	32·07	191	143
D Rugeley (Longdon)	F. J. Dixon, Esq., C.E.	5	1 0	413	..	32·08	177	148
D Lichfield (Hanch Reservoir)	F. J. Dixon, Esq., C.E.	5	1 0	259	..	31·86	190	146
D Rugeley (Nethermoor)	G. H. Grummitt, Esq.	5	1 0	300	..	37·96	223	176
D Rugeley (Brindley Bank)	F. J. Dixon, Esq., C.E.	5	1 0	254	..	31·84	187	152
D Milford Waterworks	W. Plant, Esq., C.E.	5	1 0	246	..	33·17	190	150
D Shugborough	The Earl of Lichfield	5	1 3	260	..	36·63	198	159
D Stafford (Corporation Depot)	W. Plant, Esq., C.E.	5	1 6	249	..	34·04	203	159
D Eccleshall (Johnson Hall)	Major W. Moat	5	1 2	400	..	30·75	199	154
D Stone (Meece House)	Mr. W. Lygo	5	1 6	331	..	32·83	202	155
D Stone (Meaford Hall)	Col. W. S. W. Parker Jervis	5	0 6	325	..	34·99	221	167
D Standon (Hatton W.W.)	R. C. Frain, Esq., C.E.	5	1 8	355	..	36·82	211	174

DIVISION VI.—WEST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
STAFFORDSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—TRENT—Left Bank Tributaries. 193 sq. mi.								
Burton (Hoar Cross)	F. W. Lycett, Esq	8	1 0	400	..	39·10	185	..
D Burton Reservoir	F. J. Dixon, Esq., C.E.	5	1 0	309	..	29·39	181	152
D Burton (Borough Hospital)	Dr. J. M. Cowie	8	1 6	220	..	35·36	212	160
D Burton (Shobnall)	Messrs. Bass & Co., Ltd.	5	5 6	157	..	28·91	196	151
D Stone (Alleyne's Grammar Sch.)	H. Malcolm Fraser, Esq.	5	1 6	415	..	32·98	200	154
D Stone (Idlerocks)	Mrs. Wedgwood	5	1 0	740	..	40·92	222	177
D Longton (The Meir)	R. C. Frain, Esq., C.E.	5	1 0	617	30·7	37·32	218	168
D Fenton (Sew. Works)	(A) W. H. Makepeace, Esq.	6	2 0	350	..	35·50	218	161
5.—TRENT—Dove. 250 sq. mi.								
D Uttoxeter (The Gendalls)	W. Ellaway Smith, Esq.	5	1 0	420	..	34·27	206	157
D Rocester (Dove Leys)	Sir Percival Heywood, Bt.	5	1 6	350	..	39·98	205	174
D Oakamoor (Lightoaks)	M. A. Bolton, Esq.	5	1 6	650	..	42·10	217	173
D Ashbourne (Mayfield Hse.)	(+A) Graham C. Lawson, Esq.	8	1 0	374	..	38·90	211	159
D Cheddleton (County Mental Hosp.)	Mrs. Menzies	5	0 9	550	..	45·43	187	166
D Alstonfield (The Manor)	B. R. S. Pemberton, Esq.	5	1 0	925	..	49·12	222	189
D Leek (Wall Grange)	R. C. Frain, Esq., C.E.	5	1 0	457	34·7	40·90	204	173
D Leek (Hillesdon)	A. Y. Worthington, Esq.	5	1 0	750	36·4	46·76	218	180
D Leek (Haregate)	Mr. R. Sutton	5	0 9	680	38·3	46·73	225	175
M Leek (Swains Moor)	W. E. Beacham, Esq.	5	1 1	994	..	50·24	..	..
M Leek (Withens, Upper Hulme)	W. E. Beacham, Esq.	5	1 1	1085	..	50·22	..	..
WORCESTERSHIRE. (Area, 751 sq. mi.)								
1.—SEVERN—Right Bank Tributaries. 231 sq. mi.								
D Redmarley (Haselden)	Miss F. L. Newbury	5	0 5	280	..	32·14	198	142
D Upton-on-Severn (Willow Bank)	J. Selwyn Cowley, Esq.	5	1 0	41	..	32·04	203	136
D Upton-on-Severn (The Eades)	Roger D. Tennant, Esq.	5	0 9	100	..	31·33	212	135
D Malvern (British Camp Res.)	W. Osborne Thorp, Esq., C.E.	5	1 0	677	..	33·14	181	127
§ D Malvern (Madresfield Road)*	W. Osborne Thorp, Esq., C.E	5	1 0	350	28·4	35·75	182	140
D Malvern (Belle Vue House)	A. Mander, Esq.	5	4 0	520	..	38·62	208	143
D Malvern (Free Library)	W. Osborne Thorp, Esq.	5	1 0	377	..	36·46	200	137
D Malvern (Clarence Road)	S. Bottomley, Esq.	5	1 0	300	..	35·56	221	142
D Malvern (Hornyold Road)	Rev. T. Wolseley Lewis	5	1 0	498	..	38·14	203	145
D West Malvern	W. Osborne Thorp, Esq., C.E.	5	1 0	832	..	36·24	172	135
D Knightwick Sanatorium	Dr. H. Gordon-Smith	5	1 0	300	..	33·10	198	137
D Worcester (Diglis Lock)	J. E. Bradley, Esq.	5	1 0	49	..	30·97	189	121
D Worcester (St. John's School)	E. R. Bowen, Esq.	5	1 0	82	..	31·72	177	134
D Martley Rectory	Rev. J. F. Hastings	5	1 0	220	26·9	32·44	206	142
D Ombersley (Holt Lock)	J. E. Bradley, Esq.	5	1 1	55	25·3	32·93	196	134
D Stanford Rectory	Rev. J. B. Hewitt	5	1 1	360	..	34·44	172	133
D Stourport (Astley Town)	J. Armytage Batley, Esq.	5	0 6	175	..	32·76	198	136
D Tenbury (Belle Vue)	F. Lowe, Esq.	5	1 0	313	..	31·06	184	138
D Rochford Rectory	Rev. Allan Ellison	5	1 0	315	..	33·92	196	149
D Stockton-on-Teme (Eardiston)	Miss M. Wallace	5	0 5	200	..	31·21	189	140
Bewdley (Winterdyne)	Miss K. M. Sturt	5	1 0	175	..	34·48	223	151
2.—SEVERN—Left Bank Tributaries 194 sq. mi.								
D Earl's Croome (Levant Lodge)	F. W. Burnett, Esq.	5	2 0	110	..	29·56	191	129
D Kempsey (Napleton Ho.)	Major H. Berkeley Hill	5	1 6	100	..	29·55	172	135
D Worcester (London Road)	Mrs. Manley Power	5	1 0	150	..	33·50	202	141
D Worcester (Waterworks)	W. Ransom, Esq., C.E.	5	1 0	52	..	30·52	203	147
D Worcester (Perdiswell)	The Agricultural Organiser	5	1 0	95	..	30·24	181	127
D Worcester (Bevere Lock)	J. E. Bradley, Esq.	5	1 1	52	..	31·98	189	140
D Droitwich (Friar Street Depot)	H. Hulse, Esq., C.E.	12	4 0	98	..	34·37	198	156
D Bromsgrove (Tardebigge Res.)	A. J. Cullis, Esq., C.E.	5	4 6	455	27·5	39·38	216	151
D Bromsgrove (Burcot P. S.)	R. S. Broadley, Esq.	8	0 9	439	..	42·42	198	154
D Barnt Green (Upwood)	Miss M. Gibbins	5	0 9	650	27·6	39·19	218	154
D Stourport (Lincombe Lock)	J. E. Bradley, Esq.	5	1 0	62	25·6	33·05	192	183
D Bewdley (C.E. School)	J. Bates, Esq.	8	1 0	80	..	33·02	202	142

§ Exposure not orthodox.
* Formerly called Church Street.

DIVISION VI.—WEST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
WORCESTERSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—SEVERN—Left Bank Tributaries—(*con.*).								
D Kidderminster (Brinton Park)	J. T. Cowderoy, Esq.	5	1 0	160	..	32·51	186	137
d Kidderminster (Park Hall)	K. H. Wilson, Esq.	5	1 0	200	..	32·28	..	138
D Bewdley (Elan Aqueduct)	F. W. Macaulay, Esq., C.E.	5	1 0	91	..	34·30	212	157
D Halesowen (Romsley)	F. J. Dixon, Esq., C.E.	5	1 0	614	..	41·95	198	156
D West Hagley (Glenthorpe)	W. Nock, Esq.	5	1 0	400	..	36·28	220	152
D Pedmore (The Dene)	T. Grazebrook, Esq.	5	0 6	340	..	36·47	185	156
D Stourbridge (Pumping Station)	G. P. Deeley, Esq.	8	1 0	212	..	38·50	200	160
D Netherton (Lodge Farm Res.)	H.K.S.Woodhouse,Esq.,C.E.	5	1 0	445	..	34·07	207	149
d Dudley (Borough Cemetery)	F. H. Gibbons, Esq., C.E.	5	1 3	591	..	33·51	..	149
Dudley (Trindle House)	S. Staffs. Drainage Comm.	8	1 0	575	..	38·87	..	..
3.—SEVERN—Upper Avon. 260 sq. mi.								
D Blockley (Upton Wold)	E. W. Arkell, Esq.	5	1 0	800	30·5	38·54	201	156
D Blockley	Miss E. M. Richardson	5	1 0	..	..	37·65	199	151
Bredon (The Croft)	Jasper Lambert, Esq.	5	1 1	120	..	31·65	..	139
D Defford (Upper St.)	A. W. Butler, Esq.	5	5 6	105	..	28·57	184	133
D Evesham (Bengeworth)	Messrs. Ross Bros., Ltd.	5	1 0	128	..	28·15	190	136
d Evesham (Lansdowne)	Miss E. M. Burlingham	5	5 0	108	..	33·08	..	149
Evesham (Sewage Works)	J. Abbott, Esq.	8	3 0	86	..	29·96	199	143
D Evesham (High St.)	N. A. Field, Esq.	..	..	..	..	29·05	192	126
D Evesham (Green Hill)	H. B. Pollard, Esq.	5	1 0	..	..	27·75	181	133
d Evesham (Sheriffs Lench)	Dr. G. E. Harthan	5	1 0	350	..	29·46	..	..
D Pershore (Southern House)	Rev. F. R. Lawson	5	4 4	70	..	28·52	187	137
D Pinvin (The Nurseries)	G. H. Channell, Esq.	5	1 6	118	..	33·96	184	158
Alcester (Cookhill Co. School)	T. Barber, Esq.	5	1 0	400	..	33·72	198	..
D Redditch (Hewell Gardens)	Mr. F. Molyneux	5	1 0	469	..	40·85	184	163
D Alvechurch (Bordesley Hall)	A. H. Wiggin, Esq.	12	4 0	490	..	38·51	196	161
D Alvechurch (Fairfield)	D. McMichael, Esq.	5	1 0	400	..	39·58	164	145
D Bromsgrove (Lower Bittal Res.)	A. J. Cullis, Esq.	5	3 0	457	..	43·33	214	151
4.—THAMES—Windrush & c. 10 sq. mi.								
5.—TRENT—Right Bank Tributaries. 56 sq. mi.								
D Halesowen (Frankley)	F. W. Macaulay, Esq., C.E.	5	0 10	570	..	41·66	212	164
WARWICKSHIRE. (Area, 902 sq. mi.)								
1.—SEVERN—Upper Avon. 603 sq. mi.								
D Long Compton (Weston Park)	Mrs. H. B. Warriner	8	3 0	510	..	33·04	173	142
D Stratford-on-Avon (Milcote)	F. W. Jones, Esq., C.E.	5	1 6	122	..	30·66	175	147
D Stratford-on-Avon (Avonfield)	G. W. Everard, Esq.	5	0 8	120	24·6	28·50	180	135
D Stratford-on-Avon(Shottery Hall)	R. C. Carter, Esq.	8	1 0	140	23·9	34·49	196	142
D Bidford (Moor Hall) (+A)	E. H. Cubberley, Esq.	5	1 0	125	..	29·43	190	146
D Temple Grafton Court	T. Lonsdale, Esq.	8	1 3	270	..	32·50	172	157
d Alcester (Ragley Hall)	Mr. C. Harding	5	1 0	270	25·8	33·40	..	143
Ashorne (Victoria Cottage)	G. T. Osborn, Esq.	5	1 0	160	..	29·29	..	..
D Stratford-on-Avon(Snitterfield)	F. W. Jones, Esq., C.E.	5	1 6	274	..	29·39	192	141
D Southam (Stockton House)	G. B. Blyth, Esq.	6	1 4	394	..	26·73	196	147
D Studley College	The Head Mistress	5	0 9	235	..	33·66	194	145
D Warwick Castle Gardens	Mr. H. F. Smale	5	1 0	197	..	30·29	202	153
Leamington (Radford House)	C. E. G. Hatherell. Esq.	5	1 2	240	..	29·70	..	143
D Leamington(PumpRoomGdns.)	H. Gibbins Ward, Esq.	8	1 0	165	..	28·43	188	141
D Leamington (Lillington Road)	Rev. J. I. Farr	5	1 3	228	..	30·60	201	149
D Leek Wootton (The Lodge)	W. F. Mitchell, Esq.	5	1 0	249	..	32·15	218	145
D Henley-in-Arden (Hillfield)	W. E. Milner, Esq.	5	1 0	450	..	34·10	189	145
Tanworth-in-Arden (School Ho.)	F. Davies, Esq.	5	3 6	512	..	35·85	..	..
D Lapworth Rectory	Lendon Bell, Esq.	5	1 0	436	..	35·23	171	143
D Dunchurch Lodge Gardens	Major H. S. Cayzer	5	1 0	380	..	31·16	174	143
D Stretton-on-Dunsmore(Manor Ho.)	Mrs. Lister-Kaye	5	1 0	280	..	31·58	184	152

DIVISION VI.—WEST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
WARWICKSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—SEVERN—Upper Avon—(*con.*).								
D Rugby (Bilton Grange)	J. S. Buckby, Esq.	5	1 0	400	..	26·86	198	147
D Rugby (Caldecott)	R. M. Carey, Esq.	5	1 0	390	25·6	28·79	182	139
D Ryton-on-Dunsmore(RytonHo.)	Charles Browett, Esq.	5	1 2	260	26·0	33·49	186	150
D Coventry (Whitley P.S.)	E. H. Ford, Esq., C.E.	8	0 8	..	..	30·69	195	150
D Coventry (City Hospital)	E. H. Snell, Esq., M.D.	8	1 0	270	26·0	33·11	222	147
D Coventry (Keresley Grange)	Miss H. Rotherham	5	0 10	413	..	35·60	243	167
2.—THAMES—Windrush & c. 2 sq. mi.								
3.—THAMES—Cherwell. 15 sq. mi.								
D Farnborough	Miss C. A. Prater	5	1 0	520	29·2	38·64	201	170
4.—TRENT—Right Bank Tributaries. 282 sq. mi.								
D Northfield (West Heath House)	J. B. Shewell, Esq.	5	1 0	590	..	39·11	194	145
D Solihull (Marsh Cottage)	Ivo L. Currall, Esq.	5	1 0	420	..	35·96	203	165
D Northfield (Bartley Res. No. 1)	A. A. Barnes, Esq., C.E.	5	1 0	600	..	42·03	213	162
D Selly Oak (Bourneville)	Messrs. Cadbury Bros., Ltd.	5	1 0	469	..	39·81	220	156
D Selly Oak (Lodge Hill Cem.)	Mr. W. Garden	5	1 2	540	..	38·45	201	168
D Birmingham (Sparkhill)	D. H. Owen, Esq.	5	1 0	425	..	36·59	211	154
D Birmingham (Edgbaston)	A. J. Kelley, Esq.	8	1 6	525	26·5	35·71	192	157
D Birmingham (Carpenter Road)	L. Ashby Bolton, Esq.	5	1 1	480	..	34·92	237	160
D Birmingham (Icknield Port)	H. K. S. Woodhouse, Esq.	5	1 0	495	..	29·79	206	152
D Birmingham (Erdington)	F. W. Macaulay, Esq., C.E.	5	1 2	472	..	27·60	200	145
D Whitacre (BirminghamW.W.)	F. W. Macaulay, Esq., C.E.	5	1 0	269	..	30·59	201	141
D Minworth Greaves	Birmingham Drainage Bd.	8	0 6	259	..	31·55	212	150
D Nuneaton (Sewage P. Sta.)	R. C. Moon, Esq.	5	0 9	283	..	29·44	190	137
D Sutton Coldfield (The Park)	Mr. H. Harlond	5	1 0	370	..	31·49	184	155

DIVISION VII.—NORTH MIDLAND COUNTIES.

LEICESTERSHIRE. (Area, 824 sq. mi.).

1.—SEVERN—Upper Avon. 41 sq. mi.								
D Welford (The Reservoir)	T. W. Millner, Esq.	5	1 6	430	..	32·96	210	160
2.—WELLAND. 96 sq. mi.								
D Market Harborough (Rose Hill)	G. O. Nicholson, Esq.	5	1 0	350	..	30·55	187	143
D Kibworth Beauchamp	Dr. E. V. Phillips	5	2 6	390	25·7	32·09	178	141
D Knossington Rectory	Rev. G. G. Wilkinson	5	1 0	590	..	37·12	196	149
Hallaton (Horninghold House)	Mr. B. Inchley	5	1 6	380	..	30·70	..	..
3.—WITHAM. 7 sq. mi.								
4.—TRENT—Right Bank Tributaries. 680 sq. mi.								
D Ullesthorpe (High Cross)	J. Parker Toone, Esq.	..	..	..	..	34·19	193	149
D Peatling Magna (Peatling Ho.)	Dr. C. Royds Jones	5	1 1	354	..	28·03	186	135
D Wistow Hall Gardens	The Lord Cottesloe	5	1 0	309	..	31·26	180	147
D Countesthorpe(WigstonSewFm.)	W. G. J. Clark, Esq., C.E.	8	0 9	257	..	30·94	234	151
D Leicester (Stoughton Drive)	Theodore B. Ellis, Esq.	5	0 6	315	..	30·55	183	137
D Leicester (Town Hall Square)(+A)	A. T. Gooseman, Esq., C.E.	5	0 7	212	..	30·62	186	132
D Leicester City Mental Hosp.	The Steward	8	1 0	266	..	32·59	210	137
D Leicester (Gilroes Cemetery)	A. T. Gooseman, Esq., C.E.	5	1 0	285	..	23·47	178	140
Leicester (Groby Road)	Miss V. D. Ellis	5	0 8	..	..	32·58	..	..
D Market Bosworth (OsbastonHall)	Sir Thos. Cope, Bt.	8	1 0	393	..	33·89	196	155
D Thornton Reservoir	G. T. Edwards, Esq., C.E.	8	1 2	370	26·2	34·41	185	156
D Cropstone (Bradgate Res.)	G. T. Edwards, Esq., C.E.	8	1 0	245	..	37·42	200	165
D Barkby Hall	Victor R. Pochin, Esq.	5	0 6	227	26·3	32·63	166	117

DIVISION VII.—NORTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
LEICESTERSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—TRENT—Right Bank Tributaries—(*con.*).								
D Swithland (The Brand)	G. T. Edwards, Esq., C.E..	8	1 0	171	..	33·14	176	138
D New Packington	G. C. Wooldridge, Esq. ...	5	1 0	440	..	31·89	233	157
D Mountsorrel (Christ Ch. Vic.)	Rev. S. H. Shakespear ...	5	1 0	210	..	28·97	195	133
D Barrow-upon-Soar (The Mount)	Mrs. C. Stuart Thomson ..	5	1 6	..	..	28·94	164	133
D Hoby (The Grange)	A. A. Ironside, Esq.	5	1 0	235	..	30·48	184	131
D Asfordby Rectory	Rev. W. R. Finch	5	0 10	212	..	30·87	184	138
D Asfordby (Ironworks)	Stanton Ironworks Co., Ltd.	5	1 1	300	..	31·87	161	121
D Melton Mowbray (White Lodge)	H. K. Barker, Esq.	8	1 6	237	..	30·87	205	138
D Charnwood For. (Blackbrook R.)	A. H. Walker, Esq., C.E...	5	1 0	379	..	35·15	201	152
D Loughborough (Park Road)	W. Llewellyn Mold, Esq...	5	6 0	190	..	29·77	174	116
D Loughborough (Nan Pantan Res.)	A. H. Walker, Esq., C.E...	5	1 0	269	..	32·06	189	135
D Loughborough (The Widenings)	Adrian Young, Esq.	5	0 7	197	..	30·65	214	142
D Loughborough (Sewage Farm)	A. H. Walker, Esq. C.E...	8	1 0	135	..	28·62	167	126
d Burton-on-the-Wolds (Burtn H.)	Earl of Huntingdon	5	1 0	270	..	31·99	..	148
D Prestwold Hall	Mr. W. Coe.	8	1 0	209	..	33·06	187	137
D Belvoir Castle Gardens	The Duke of Rutland, K.G.	8	1 0	259	25·1	29·03	182	127
RUTLAND. (Area, 152 sq. mi.)								
1.—WELLAND. 125 sq. mi.								
D Uppingham (Ridlington)	N. W. Wortley, Esq.	5	4 7	527	..	32·14	193	141
2.—WITHAM. 5 sq. mi.								
3.—TRENT—Right Bank Tributaries. 22 sq. mi.								
LINCOLNSHIRE. (Area, 2646 sq. mi.).								
1.—NENE. 100 sq. mi.								
D Tydd (North Level Sluice)	Mr. S. Fovargue	5	3 0	10	..	26·28	160	119
2.—WELLAND. 341 sq. mi.								
D Market Deeping (Wilsthorpe)	W. H. A. Court, Esq., C.E.	8	3 10	51	..	24·14	165	116
D Holywell Hall	Lt.-Col. A. A. H. Reynardson	8	0 9	137	..	32·01	194	154
d Bourne (Guthram)	F. S. Robins, Esq., C.E. ..	8	1 6	19	..	29·57	..	107
D Spalding (Pode Hole)	H. Bain, Esq.	8	1 3	12	23·5	29·49	229	138
D Spalding (Spalding Marsh)	Messrs. Seymour Cobley, Ltd.	5	1 0	0	..	26·14	160	115
3.—WITHAM & C. 1085 sq. mi.								
D Stainby Rectory	Rev. W. L. de B. Thorold..	4	0 9	496	25·5	33·42	169	137
Stroxton Rectory	Rev. S. C. Wood	5	0 10	350	..	31·08	..	..
D Denton Manor	Sir C. G. E. Welby, Bt., C.B.	5	1 0	310	..	29·32	197	137
D Grantham (Saltersford)	H. Preston, Esq.	5	0 6	188	..	29·01	186	121
D Grantham (Guildhall)	Borough Surveyor	5	13 6	202	..	27·89	157	125
D Heydour Vicarage	Rev. S. S. Herington	5	0 11	263	..	32·17	209	147
D Culverthorpe (Park Farm)	E. H. Davies, Esq.	5	1 2	200	..	27·33	158	114
D Fishtoft School	O. Davies, Esq.	5	1 3	8	..	26·25	173	101
D Boston (Black Sluice, Skirbeck)	F. S. Robins, Esq., C.E. ..	8	1 3	11	22·8	29·81	188	131
D Boston (Grand Sluice)	J. H. Johnson, Esq., C.E...	8	8 0	18	23·2	27·13	191	123
D Boston (Bargate End)	A. O. Scrivener, Esq.	8	1 4	9	..	26·72	189	125
D Sleaford (Kesteven Mental Hos.)	Dr. J. R. Macphail	5	1 0	100	..	29·75	198	131
D Cranwell Aerodrome (+A)	The Meteorological Office..	8	1 0	236	23·2	27·38	186	117
D Anwick Vicarage	Basil W. Lee, Esq.	5	1 0	37	..	25·90	180	112
d New Leake (Lade Bank Engine)	J. H. Johnson, Esq., C.E...	5	1 0	10	23·2	26·79	..	119
d Carrington Grange	T. J. Ward, Esq.	5	6 0	15	..	29·63	..	138
D Wellingore	Canon H. Powell Smith ...	5	1 0	246	..	26·61	190	114
D Navenby Rectory	Mr. J. Thompson	5	1 0	218	24·9	28·13	193	123
D Carlton-le-Moorland	J. Brocklebank, Esq.	5	1 2	50	..	27·22	190	133
D East Kirkby (E. Kirkby House)	Capt. R. S. Fieldsend	5	1 0	90	..	29·64	187	134
D Revesby Reservoir	T. H. Tyson, Esq.	5	2 0	124	24·5	31·84	165	135
D Woodhall Spa (Galm House)	J. Collins, Esq.	5	1 6	72	..	27·25	207	128

DIVISION VII.—NORTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
LINCOLNSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—WITHAM & C.—(*con.*).								
D Horncastle	J. R. Mackavoy, Esq.	5	2 0	120	..	29·07	188	131
D Lincoln (Swallowbeck)	W. R. Pennell, Esq.	8	1 0	34	..	26·77	206	123
D Lincoln (Skellingthorpe Hall)	Mrs. A. H. Bergue-Coupland	5	1 0	40	23·1	27·60	168	136
D Lincoln (Sessions House)	Arthur Smith, Esq.	5	1 2	58	22·8	24·85	174	114
D Hackthorn Hall	E. W. Cracroft, Esq.	5	4 8	102	..	26·01	194	120
D Springthorpe Rectory	Rev. B. Davies	5	1 8	75	..	25·94	162	122
4.—GREAT EAU & C. 443 sq. mi.								
D Skegness (Marine Gardens)	F. A. Jenkins, Esq.	8	1 0	12	23·3	28·28	175	122
D East Keal Rectory	Rev. R. H. Simpson	5	0 6	180	..	29·05	181	128
D Spilsby	J. E. Bolt, Esq.	5	1 4	124	..	32·43	191	144
D Hagworthingham (Glebe House)	Mr. R. Wright	5	1 8	240	..	27·97	174	125
D Mablethorpe (Trusthorpe Hall)	I. N. Woodiwiss, Esq.	8	1 3	10	..	28·54	171	130
D Louth (Westgate)	Rev. W. E. Yates	5	0 9	120	28·0	31·07	203	137
D S. Elkington (Elkington Hall)	Countess of Wilton	5	1 9	234	..	33·19	175	128
D Kirmond	C. Fieldsend, Esq.	5	1 2	309	..	30·45	196	133
D Wold Newton Manor	W. Maurice Wright, Esq.	5	1 6	230	..	30·46	219	144
D Grainsby Hall	Mr. J. Butters	5	1 0	75	..	30·10	216	151
5.—HUMBER—Right Bank Tributaries. 428 sq. mi.								
D North Willingham House	Mrs. Charles Wright	5	3 0	125	..	32·95	251	161
d Brigg (Thornholme)	E. J. Brown, Esq.	5	1 5	22	..	24·92	..	123
D Brigg (Wrawby Road)	A. R. Haynes, Esq.	5	1 1	22	..	25·01	191	135
D Brigg (Bridge Street)	late A. Atkinson, Esq., C.E.	8	1 2	11	25·4	26·97	189	138
D Cleethorpes (Kings Parade)	Urban District Council	5	1 0	23	..	25·57	190	123
Grimsby (Patrick Street)	J. H. Drewry, Esq.	8	..	..	..	26·70	179	118
D Grimsby (Abbey Road)	W. J. Wood, Esq.	5	3 6	25	..	28·45	204	141
D Grimbsy (Westlands)	Major G. L. Bennett	5	1 0	23	..	26·92	181	127
D Brocklesby Park	Mr. J. Chisholm	5	2 0	80	..	29·42	185	146
D Ulceby (Wootton Lodge)	Mr. F. W. Prentice	5	1 5	100	..	29·72	188	138
D Scunthorpe (Normanby)	A. G. Wilkes, Esq.	5	1 0	185	..	28·14	197	144
D Horkstow	E. J. Turton, Esq.	5	1 0	75	..	28·44	177	153
D Ferriby Sluice	F. Straw, Esq.	5	1 0	18	..	26·65	188	136
6.—TRENT—Right Bank Tributaries. 172 sq. mi.								
D Woolsthorpe	L. and N.E. Rly.	5	1 3	182	..	26·93	152	121
D Torksey	Miss M. Burtt	5	1 0	18	..	27·03	175	121
d Gate Burton Hall	The Hon. Mrs. Sandars	5	2 0	97	..	27·45	..	116
7.—TRENT—Left Bank Tributaries. 77 sq. mi.								
D Wroot (S. Level Pump Station)	Mr. F. S. Trafford	10	4 0	8	..	23·01	151	119
d Crowle (N. Level Pump Station)	Mr. H. G. Trafford	5	2 6	10	22·6	26·21	..	131
NOTTINGHAMSHIRE. (Area, 843 sq. mi.).								
1.—WITHAM. 10 sq. mi.								
2.—TRENT—Right Bank Tributaries. 218 sq. mi.								
Loughborough (Costock Sch.)	Miss A. M. Brown	5	1 0	167	25·2	29·35	168	126
D Sutton Bonington Agric. Coll.	O. D. Kimble, Esq.	5	0 11	158	21·7	26·59	169	119
D Plumtree (Normanton-on-Wolds)	T. A. Hill, Esq.	8	2 0	170	24·0	29·92	188	134
D Ruddington (Westlands)	J. D. Walker, Esq.	5	1 0	100	24·3	29·70	186	133
D Nottingham (Wilford Hill Res.)	F. W. Davies, Esq., C.E.	8	1 0	295	23·1	29·84	199	135
D Newark	J. H. Clarke, Esq., C.E.	5	0 9	43	23·4	28·18	204	135
3.—TRENT—Derwent. 2 sq. mi.								

DIVISION VII.—NORTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
NOTTINGHAMSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—TRENT—Erewash. 42 sq. mi.								
D Nottingham (Strelley)	Major T. L. K. Edge	8	1 0	396	26·2	30·88	225	140
D Nottingham (Strelley Hall)	Major T. L. K. Edge	5	1 0	377	25·5	31·13	194	140
D Bulwell (Watnall Reservoir)	F. W. Davies, Esq., C.E.	8	1 0	471	29·0	31·70	226	143
D Eastwood Waterworks	F. W. Davies, Esq., C.E.	8	1 2	243	25·9	30·83	191	132
D Eastwood Hall	Messrs. Barber, Walker & Co., Ltd.	5	1 0	218	..	33·11	182	145
D Eastwood (Moorgreen Res.)	L. and N. E. Rly. Co.	5	6 0	301	27·4	34·79	207	148
D Annesley (Selston W.W.)	S. Maylan, Esq.	5	1 0	475	26·2	29·37	164	120
5.—TRENT—Left Bank Tributaries. 569 sq. mi.								
D Beeston (Council Depot)	E. A. Bush, Esq.	5	1 0	121	24·5	30·73	192	142
d Lenton (Lenton Fields)	R. F. T. Granger, Esq.	8	1 0	132	24·4	(29·87)	..	..
D Nottingham (Trent Lane) (+A.)	T. Wallis Gordon, Esq., C.E.	8	1 0	83	22·5	29·57	183	125
D Nottingham (The Castle)	T. Wallis Gordon, Esq., C.E.	8	1 0	192	23·6	28·95	193	129
D Nottingham (Colwick Hill Res.)	F. W. Davies, Esq.	8	1 0	314	..	30·05	183	129
D Nottingham (Burford Road)	A. B. Tinn, Esq.	5	1 0	170	25·3	32·24	190	138
D Nottingham (Stoke Bardolph)	T. Wallis Gordon, Esq., C.E.	8	1 0	66	23·3	28·55	183	127
D Nottingham (Mapperley Hill)	Dr. G. L. Brunton	8	1 0	400	24·9	32·83	201	135
D Bagthorpe (Isolation Hospital)	P. Boobbyer, Esq., M.D.	8	2 0	190	25·3	31·84	212	138
D Nottingham (Basford W.W.)	F. W. Davies, Esq., C.E.	8	1 0	168	24·3	30·65	184	131
D Burton Joyce Waterworks	F. W. Davies, Esq., C.E.	8	1 0	65	25·2	33·24	182	144
D Bulcote (Corporation Farm)	T. Wallis Gordon, Esq., C.E.	10	1 3	65	23·6	29·59	191	135
Lowdham (Chilwell Nurseries)	Mr. J. D. Pearson	5	1 5	90	21·4	26·17	..	..
D Bulwell (Bestwood W.W.)	F. W. Davies, Esq., C.E.	8	1 2	315	25·7	26·54	186	136
D Daybrook (Red Hill Reservoir)	F. W. Davies, Esq., C.E.	8	1 0	404	26·8	31·27	236	143
D Daybrook (Ramsdale Hill Res.)	F. W. Davies, Esq., C.E.	8	1 0	504	28·1	31·33	229	140
D Bulwell Hall Park	T. Wallis Gordon, Esq., C.E.	8	1 0	252	27·3	31·41	184	136
D Papplewick (Waterworks)	F. W. Davies, Esq., C.E.	8	1 0	316	27·0	30·74	183	142
D Southwell (The Residence)	Vn. Acdn. W. J. Conybeare	5	1 0	100	24·7	27·92	177	126
Southwell (Elmfield)	Dr. H. Handford	5	1 0	132	24·9	27·98	..	124
D Sutton-in-Ashfield (Rushley P.S.)	Messrs. G. & F. W. Hodson	5	1 0	462	27·1	32·23	161	128
D Sutton-in-Ashfield (Sew. Wks.)	F. J. Grierson, Esq.	5	1 0	453	28·9	33·60	184	143
D Mansfield (Rainworth W.W.)	J. Gibson, Esq., C.E.	5	1 0	360	27·5	30·72	185	129
D Mansfield (Carr Bank)	Borough Surveyor	8	0 10	357	..	32·49	177	122
D Mansfield (West Bank)	W. Pickard, Esq.	8	1 0	405	27·6	33·17	206	140
d Mansfield (Debdale Hall)	Francis N. Ellis, Esq.	5	0 8	400	28·1	33·43	..	127
D Clipstone Waterworks	J. Gibson, Esq., C.E.	5	1 0	225	25·9	29·04	181	120
D Ollerton (Boughton W.W.)	F. W. Davies, Esq., C.E.	8	0 7	140	25·7	28·22	194	126
D Ollerton (Thoresby Gardens)	Mr. A. J. Simmons	5	1 0	125	26·6	29·61	156	134
D Welbeck Abbey	Mr. Chas. Harris	8	0 10	196	..	30·26	208	131
D Clumber Gardens	A. E. Elliott, Esq.	5	4 0	164	..	31·00	214	146
D Elkesley Pumping Station	C. Horobin, Esq., C.E.	5	1 0	120	24·0	28·47	183	124
d Worksop (Carlton Road)	J. Edeson, Esq.	5	1 0	130	23·8	26·79	(205)	(131)
D Worksop (Osberton Gardens)	Mr. T. Rigby	5	3 6	70	23·8	27·22	206	153
D Retford (Morton Hall)	W. H. Mason, Esq.	9	1 0	140	23·7	29·17	179	122
D Retford (Sewage Disposal Wks.)	R. E. Wilson, Esq.	5	1 0	74	..	29·77	237	146
D Retford (Babworth Hall)	Capt. J. A. C. Whitaker	5	1 6	98	23·7	26·72	178	120
D Worksop (Wigthorpe Hill)	R. C. Ramsden, Esq.	5	1 0	100	24·1	26·91	173	120
D Worksop (Hodsock Priory)(+A)	Miss E. Mellish	8	1 0	56	23·6	27·51	204	121
D Scrooby	Mr. J. Mallender	5	1 0	40	23·1	26·77	194	120
D Bawtry Hall (The Gardens)	Mr. F. E. Hogbin	5	1 0	31	23·1	27·08	180	117
6.—OUSE—Don. 2 sq. mi								
DERBYSHIRE. (Area, 1029 sq. mi.).								
1.—MERSEY, UPPER. 93 sq. mi.								
D Glossop W.W. (Swineshaw)	W. A. Mitchell, Esq.	12	2 0	733	..	46·13	219	185
2.—MERSEY—Weaver. 2 sq. mi.								
3.—TRENT—Right Bank Tributaries. 68 sq. mi.								
D Melbourne Vicarage	Rev. E. T. Harcombe	10	2 6	180	..	30·98	197	151
D Repton (The Croft)	H. C. Hayward, Esq.	5	1 2	170	..	31·26	212	149
D Stanton-by-Bridge W.W.	H. Raven, Esq., C.E.	8	1 2	44	..	28·16	192	130

DIVISION VII.—NORTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
DERBYSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—TRENT—Dove. 156 sq. mi.								
D Ashbourne Waterworks	E. Wright, Esq.	5	1 0	582	..	40·11	227	168
D Ashbourne (The Mansion)	R. E. Sadler, Esq.	5	1 0	404	..	39·89	208	173
D Ashbourne Vicarage	Rev. Canon F. L. Shaw	5	1 6	500	..	37·27	222	174
5.—TRENT—Left Bank Tributaries. 84 sq. mi.								
D Etwall (Blakeley Lodge)	G. Edge Laban, Esq.	5	1 0	190	..	29·38	172	149
D Etwall (Sewage Farm)	Mr. B. Hydes	5	1 8	201	..	30·64	180	152
D Mickleover (C. Mental Hospital)	G. V. Bartlett, Esq., M.D.	5	0 8	300	..	32·61	178	147
Littleover (The Knoll)	W. Blews Robotham, Esq.	5	1 0	300	..	31·07	205	145
D Littleover (Hilltop)	E. McInnes, Esq.	5	2 6	346	..	33·01	214	158
6.—TRENT—Derwent. 428 sq. mi.								
D Spondon (Derby Sewage Wks.)	C. A. Clews, Esq., C.E.	5	1 3	135	..	30·93	198	141
D Spondon Hall	Sir H. Fowler, K.B.E., LL.D.	5	4 6	230	..	30·72	189	139
d Derby (Wild Street)	Messrs. J. Davis & Son, Ltd.	5	1 0	174	..	32·86	..	142
D Derby (L.M. & S. Railway)	J. Sayers, Esq.	5	1 0	156	25·1	31·96	192	147
D Derby (Royal Infirmary)	W. Banks, Esq.	5	1 0	190	..	35·04	171	156
D Derby (The Arboretum)	C. A. Clews, Esq., C.E.	8	1 0	196	..	30·62	182	133
Kirk Langley (Langley Hall)	G. W. Peach, Esq.	5	1 5	396	28·9	36·44	215	155
D Duffield (The Kirkstyles)	Messrs. J. Davis & Son, Ltd	5	2 0	235	27·5	41·51	228	176
D Belper (Herbert Strutt School)	The Principal	5	0 8	222	30·0	35·03	196	153
D Belper (Quarry Bank)	J. Hunter, Esq., C.E.	5	0 10	280	29·7	34·82	201	152
Ambergate Reservoir	No. 61 S. B. Winser, Esq., C.E.	5	1 0	700	..	34·90	..	149
D Whatstandwell (Meerbrk. Sough)	Messrs. G. & F. W. Hodson	5	1 0	246	..	40·52	206	165
D Brackenfield (Lindway Res.)	R. F. Ward, Esq., C.E.	5	1 0	595	..	37·04	195	153
D Matlock Bath (Lower Tower)	Miss E. Chadwick	5	1 1	500	35·9	40·34	206	158
D Matlock (Rockside Hydro.)	J. H. Goodwin, Esq.	5	1 0	637	..	38·79	205	147
D Darley Dale (Whitworth Inst.)	E. Evans, Esq.	5	1 8	361	..	37·66	194	142
D DarleyDale (Stancliffe Hall) (R)	Maj. T. Bedford Franklin	8	1 0	560	..	40·93	192	154
d Clay Cross (Press Reservoirs)	Gilbert Frith, Esq., C.E.	8	1 0	810	..	36·67	..	144
Buxton (Hurdlow Top)	L. M. & S. Rly.	8	1 10	1267	..	58·06	..	..
D Chatsworth Gardens	Mr. J. G. Weston	5	1 0	436	34·7	37·48	216	154
D Baslow (Over End)	A. E. Payne, Esq.	5	1 0	500	..	39·53	217	154
D Buxton (Portobello Bar)	F. Langley, Esq., C.E.	8	1 0	1600	59·7	65·72	254	192
D Buxton (Stanley Moor)	F. Langley, Esq., C.E.	8	1 0	1340	56·1	64·11	251	189
D Buxton (Burbage Edge)	F. Langley, Esq., C.E.	8	1 0	1400	56·8	62·90	251	190
D Buxton (Devonshire Hospital)	Miss E. W. Pilkington	8	1 0	1007	48·4	52·71	220	178
D Buxton (Lightwood)	F. Langley, Esq.	8	0 11	1191	..	51·55	229	189
D Bamford (Engineer's Office)	60 S. B. Winser, Esq., C.E.	8	2 1	510	38·6	43·15	233	173
Bamford Filters	No. 70A S. B. Winser, Esq., C.E.	8	1 0	656	38·5	44·92	238	178
W Froggatt Edge (Stoke Flat)	J. G. Bown, Esq.	5	1 6	960	..	43·71	..	..
D Hope (Killhill Bridge)	No. 56 D. W. Chadwick, Esq.	5	1 0	555	..	42·95	215	170
Bamford (Yorkshire Br. Weir)	S. B. Winser, Esq., C.E.	5	1 0	540	..	43·41	..	..
Derwent Vicarage	No. 67 S. B. Winser, Esq., C.E.	8	1 0	675	44·6	46·78	225	183
Derwent (Lockerbrook Plant.)	68 S. B. Winser, Esq., C.E.	5	1 0	782	48·5	51·48	..	..
Derwent Dam	No. 26 S. B. Winser, Esq., C.E.	8	1 0	790	42·4	51·83	242	187
M Woodland Dale (Woodlands, N)	47 S. B. Winser, Esq., C.E.	5	1 0	1063	..	50·49	..	..
M Hayfield (Ashop Head)	No. 43 S. B. Winser, Esq., C.E.	5	1 0	1650	46·2	54·90	..	..
Derwent Dale (Shire Owlers)	69 S. B. Winser, Esq., C.E.	5	1 0	825	42·7	50·41	..	..
Derwent Dale (Birchinlee)	No. 23 S. B. Winser, Esq., C.E.	8	1 0	870	49·9	59·78	259	196
Westend Bridge	No. 66 S. B. Winser, Esq., C.E.	5	1 0	878	50·0	61·90	..	..
M Lady Clough Moor	No. 41 S. B. Winser, Esq., C.E.	5	1 0	1720	46·8	56·50	..	..
M Lady Clough Moor	No. 41 A S. B. Winser, Esq., C.E.	5	1 0	1720	..	52·80	..	..
Coldharbour Moor (Summit)	39 S. B. Winser, Esq., C.E.	5	1 0	1670	47·5	55·20	..	..
Derwent Dale (Howden Dam)	17 S. B. Winser, Esq., C.E.	8	1 0	829	47·9	56·74	259	195
Derwent Dale (RidgeFarm)	13A S. B. Winser, Esq., C.E.	8	1 0	875	42·0	58·60	..	..
M Alport Moor (Glethering Cl.)	40 S. B. Winser, Esq., C.E.	5	1 0	1640	46·7	54·84	..	..
M Alport Moor (Glethering Cl.)	40A. S. B. Winser, Esq., C.E.	5	1 0	1640	..	60·04	..	..
M Westend Moor (Blacklow Cote)	15 S. B. Winser, Esq., C.E.	5	1 0	970	51·5	60·36	..	..
Westend Moor	No. 10 S. B. Winser, Esq., C.E.	5	1 0	1560	47·1	59·22	..	..

DIVISION VII.—NORTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
DERBYSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
6.—TRENT—(*con.*)								
Alport Moor	No. 38 S. B. Winser, Esq., C.E.	5	1 0	1790	47·0	59·10	..	..
M Alport Moor	No. 38A. S. B. Winser, Esq., C.E.	5	1 0	1790	..	63·50	..	..
Derwent Dale (Slippery Stones)	62 S. B. Winser, Esq., C.E.	5	1 0	908	49·3	58·39	..	..
M Ridgewalk Moor	No. 9 S. B. Winser, Esq., C.E.	5	1 0	1650	47·5	59·34	..	..
M Broadhead Clough	No. 63 S. B. Winser, Esq., C.E.	5	1 0	1005	53·3	60·57	..	..
7.—TRENT—Erewash. 50 sq. mi.								
D Long Eaton (The Hall)	H. Raven, Esq.	8	0 10	105	..	28·26	180	136
D Ilkeston (Hallam Fields)	Messrs. Stanton Ironworks Co. Ld.	5	1 6	..	..	30·11	183	131
D Codnor (Cross Hill)	A. F. Pine, Esq.	5	1 0	394	27·5	37·61	210	162
D Codnor Park	L. M. & S. Rly. Co.	5	1 0	243	29·3	36·10	237	150
8.—OUSE—Don. 148 sq. mi.								
D Chesterfield (Walton San.)	Dr. A. Niven Robertson	5	1 0	450	..	31·20	182	130
D Chesterfield (Linacre Res.)	Chesterfield Water Board	8	1 6	430	33·4	33·29	199	145
D Chesterfield (Linacre Res.)	Chesterfield Water Board	5	0 6	475	31·6	32·68	198	143
D Chesterfield (Sewage Works)	S. Thornhill, Esq.	5	2 0	223	..	28·22	180	116
D Totley Hall	W. A. Milner, Esq.	5	1 0	700	37·3	42·09	206	167

DIVISION VIII.—NORTH-WESTERN COUNTIES.

CHESHIRE. (Area, 1,027 sq. mi.).

1.—MERSEY, UPPER. 200 sq. mi.

D Langley (Bottoms Res.)	E. Hamson, Esq., C.E.	5	1 0	664	38·5	43·62	203	176
D Macclesfield (Leadbeaters Res.)	E. Hamson, Esq., C.E.	5	1 0	608	33·1	39·06	204	163
D Macclesfield (West Park)	E. Hamson, Esq., C.E.	5	1 0	500	34·1	41·42	203	167
d Rainow (The Clough)	Miss Anna Neave	5	1 3	815	34·4	40·18	(240)	(168)
D Knutsford (Hazelfield)	H. P. Ashworth, Esq.	5	1 0	213	30·3	35·58	206	166
D Wilmslow (Dean Row)	late J. H. Cooke, Esq.	5	1 0	292	33·0	40·68	192	183
D Kettlesbulme (Glebe House)	A. Y. Barker, Esq.	5	1 6	850	39·6	45·79	213	176
D Poynton (Waterloo)	C. F. Butterworth, Esq.	5	1 0	390	32·6	38·29	209	175
D Whaley Bridge (Todds Brook)	Mr. F. Bowden	5	1 0	602	..	49·18	251	191
D Disley (Lyme Park)	T. Molyneux, Esq., C.E.	5	1 0	674	32·2	38·97	203	163
D Disley (Lyme Park)	T. Molyneux, Esq., C.E.	5	1 0	720	30·9	38·25	203	163
d Bramhall (Bramhall Lane)	S. O'Dwyer, Esq.	5	3 6	250	32·6	35·61	..	..
D Runcorn (Weston Point)	Weaver Navigatn. Trustees	8	1 4	17	31·3	39·36	202	174
d Moore (Uplands)	Lt.-Comm. G. K. Rylands, R.N.	5	1 0	120	..	(37·56)	..	..
D Thelwall (The Clough)	E. W. Reynolds, Esq.	5	1 0	95	31·4	36·80	201	163
D Altrincham (Hale)	F. C. Lamb, Esq., Jnr.	5	1 0	122	31·4	34·26	205	152
Altrincham (Norman's Place)	Miss G. A. Griffiths	5	8 0	150	33·6	35·82	..	..
Altrincham (Burlington Cott.)†	Miss Laura Newton	8	2 6	103	31·4	34·51	..	..
D Stockport (Torkington)	S. Arrowsmith, Esq.	5	1 0	402	..	38·27	234	173
Cheadle (Adswood)	R. W. Wright, Esq.	5	0 6	186	34·4	33·78	..	..
Godley Reservoir	L. Holme Lewis, Esq., C.E.	12	2 0	500	31·8	38·20	..	..
D Broadbottom (Harewood Lodge)	Col. W. Sidebottom	5	1 0	440	34·6	44·62	184	170
D Dukinfield (Higher Reservoir)	G. H. Raddin, Esq., C.E.	8	1 6	495	30·1	36·75	218	161
D Dukinfield (Lower Reservoir)	G. H. Raddin, Esq., .CE.	5	1 0	435	33·0	39·74	219	166
Arnfield Reservoir	L. Holme Lewis, Esq., C.E.	12	2 0	512	39·1	45·85	..	..
Rhodes Wood Reservoir	L. Holme Lewis, Esq., C.E.	12	2 0	545	42·9	53·18	..	..
Torside Reservoir	L. Holme Lewis, Esq., C.E.	12	2 0	669	44·9	53·13	..	..
D Stalybridge (Market Ground Yd.)	G. H. Raddin, Esq., C.E.	5	1 0	373	38·1	42·42	208	167
D Stalybridge (Brushes Filter Ho.)	G. H. Raddin, Esq., C.E.	5	1 6	616	39·2	47·12	209	183
Swineshaw Moor (Lees Hill)	G. H. Raddin, Esq., C.E.	5	1 0	1168	38·6	46·93	..	..
Woodhead Reservoir	L. Holme Lewis, Esq., C.E.	12	2 0	815	47·7	54·48	..	..
Crowden (Span Gutter)	L. Holme Lewis, Esq., C.E.	5	1 0	1530	..	53·42	..	..
Woodhead (Pikenaze)	L. Holme Lewis, Esq., C.E.	5	1 0	907	..	43·67	..	..

† Formerly described as "Barrington House." The gauge has not been moved.

DIVISION VIII.—NORTH-WESTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
	CHESHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—MERSEY, UPPER—(*con.*).								
	Ormes Moor	L. Holme Lewis, Esq., C.E.	5	1 0	1356	..	50·50	..	..
	Pikenaze Moor (Round Hill)	L. Holme Lewis, Esq., C.E.	5	1 0	1514	..	43·48	..	..
	Upper Heyden	L. Holme Lewis, Esq., C.E.	5	1 0	1718	..	50·35	..	..
	Grains Moss	L. Holme Lewis, Esq., C.E.	5	1 0	1570	..	55·82	..	..
	2.—MERSEY—Weaver. 489 sq. mi.								
D	Wirswall Hall	J. Alleyne Robinson, Esq.	5	1 0	500	..	30·90	197	160
D	Nantwich (Dorfold Hall)	Weaver Navigatn. Trustees	8	1 0	190	28·8	33·83	225	185
D	Nantwich (Reaseheath Hall)	Weaver Navigatn. Trustees	8	1 0	130	29·1	32·77	249	175
D	Crewe (Weston Lane)	W. E. Thornhill, Esq.	12	4 0	186	28·2	32·45	214	169
D	Crewe (Isolation Hospital)	E. G. Timbrell, Esq., C.E.	5	1 0	172	27·6	30·69	202	167
D	Sandbach (Malkin's Bank)	Messrs. Brunner, Mond & Co.	5	1 0	230	..	30·70	201	162
D	Congleton (Sewage Works)	W.H. Duncan Arthur, Esq., C.E.	5	1 0	248	30·1	36·47	217	169
D	Congleton (Buglawton)	Weaver Navigatn. Trustees	8	5 0	347	30·5	35·24	202	152
D	Tarporley (Tirley Garth Gdns.)	Mr. J. B. Allan	5	3 6	450	30·0	36·51	221	174
D	Middlewich	Messrs. Brunner, Mond & Co.	5	3 10	138	25·8	29·25	178	152
d	Middlewich (Bostock Hall)	Capt. W.H. France-Hayhurst	5	2 0	157	29·3	33·47	..	129
D	Delamere (Linmere)	Office of Woods	8	0 9	250	29·5	35·94	212	144
D	Norley (Jewish School)	Miss H. P. Landou	5	0 10	200	30·7	38·99	238	175
D	Northwich (Cuddington)	J. Birtwistle, Esq.	8	3 0	185	..	38·06	212	171
D	Northwich (Hunts Lock)	Weaver Navigatn. Trustees	8	1 0	47	30·6	35·31	217	161
D	Northwich (Winnington)	Messrs. Brunner, Mond & Co.	5	1 0	64	28·9	36·09	219	168
D	Northwich (Barnton)	Giles Owen, Esq.	5	1 0	175	30·3	37·75	214	166
D	Northwich (Lostock Gralam)	Messrs. Brunner, Mond & Co.	5	3 6	75	28·0	34·92	217	152
	3.—MERSEY, LOWER & C. 142 sq. mi.								
D	Ince Hall	Mrs. Park-Yates	5	1 0	95	31·5	41·26	218	179
D	Hooton Waterworks	A. J. Robinson, Esq.	5	1 0	97	30·3	39·58	199	173
D	Eastham House	Sir J. Herbert Vernon, Bart.	5	1 0	100	31·9	39·72	217	167
D	Crosshill Reservoir	R. F. Baker, Esq.	5	1 0	237	..	35·39	220	154
D	Prenton Waterworks	A. J. Robinson, Esq.	5	1 6	91	28·1	33·83	183	142
D	Rock Ferry (High School)	L. Davies-Shiel, Esq.	5	1 0	100	..	35·21	200	156
D	Rock Ferry (Elmhurst)	Miss Shepherd	8	6 0	100	30·8	40·94	206	162
D	Rock Ferry (Highfield South)	R. H. Arundell, Esq.	5	1 0	80	..	39·60	203	177
D	Birkenhead (Bidston Obs'y.) (+A)	The Director	8	1 0	189	27·9	34·81	203	147
D	Hoylake (District Council Office)	R. W. Fraser, Esq.	5	1 0	29	27·6	34·46	199	171
D	Wallasey (Warren Park)	Dr. T. W. N. Barlow	5	1 0	66	..	36·33	205	164
	4.—DEE. 127 sq. mi.								
D	Eaton Hall Gardens	Mr. N. F. Barnes	5	3 0	72	26·9	30·40	203	156
	Eccleston	E. Wells, Esq.	5	1 1	94	26·8	31·94	207	169
D	Rowton (Holly Bank)	J. H. Salmon, Esq.	5	1 5	123	29·4	37·55	190	159
d	Chester (Abbot's Park)	J. H. Howell, Esq.	5	1 1	63	27·5	(33·80)	..	..
D	Chester (Waterworks)	C. Wilfrid Bennett, Esq.	5	0 10	85	26·4	32·15	201	159
D	Capenhurst Hall	R. T. Richardson, Esq.	5	5 10	130	31·7	38·78	201	172
	Neston (Vine House)	H. F. Russell, Esq.	5	1 0	111	26·8	33·25	203	157
d	Heswall (Gayton Cottage)	L. N. Brooke, Esq.	5	1 0	29	27·	33·65	..	..
D	West Kirby (Caldy Manor)	Mr. E. L. Barker	5	0 11	131	27·9	32·68	203	149
	West Kirby (Hilbre House)	Egerton Macdona, Esq.	5	0 9	25	27·8	35·57	..	..
D	West Kirby (Princes Avenue)	Miss G. S. Kirkby	5	1 0	80	28·9	34·75	210	160
D	West Kirby (St. Andrew's Vic.)	Rev. E. F. Robson	5	1 0	25	27·9	33·35	201	164
D	West Kirby (Deeside Nursery)	H. Ward, Esq.	5	1 6	45	..	34·31	211	157
	SOUTH LANCASHIRE. (Area, 687 sq. mi.)								
	1.—ALT & C. 103 sq. mi.								
D	Blundellsands (Myra)	(+A) H. Montgomery, Esq.	5	1 0	36	29·1	36·70	214	160
d	Ormskirk (Bickerstaffe P. Stn.)	C. Burton Ede, Esq., C.E.	5	1 2	128	31·4	40·24	216	187
d	Ormskirk (Springfield P. Stn.)	C. Burton Ede, Esq., C.E.	5	0 11	70	..	41·59	218	185
D	Formby (The Dunes)	J. Harold Coney, Esq.	5	..	40	..	36·98	191	163
M	Downholland (Barton Moss)	J. Baxendell, Esq.	5	1 0	14	..	35·41	..	..

DIVISION VIII.—NORTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
SOUTH LANCASHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—MERSEY, LOWER. 240 sq. mi.								
D Garston	T. P. Frank, Esq., C.E. ..	10	1 10	82	..	47·80	227	188
D Garston (Grassendale Park)	Miss E. C. Abraham	5	1 0	35	30·1	40·83	221	176
D Aigburth (Holmfield)	Miss Maxwell	5	1 0	100	32·3	40·68	222	177
D Aigburth (Beech Lawn)	T. H. Edwards, Esq.	8	1 0	120	31·7	38·92	214	172
D Liverpool (Lark Lane)	T. P. Frank, Esq., C.E. ..	10	10 8	90	..	43·44	216	172
D Liverpool (Smithdown Road)	T. P. Frank, Esq., C.E....	10	0 9	134	32·8	41·30	213	178
D Liverpool (Rathbone Road)	T. P. Frank, Esq., C.E....	10	1 0	198	35·0	44·47	216	174
D Liverpool (Newsham Park)	T P. Frank, Esq., C.E. ..	10	1 1	139	..	44·77	227	186
D Liverpool (Breeze Lane)	T. P. Frank, Esq., C.E. ..	5	0 9	134	34·9	42·50	218	182
D MossleyHill(QuarryBk.HighSch.)	R. L. Burrows, Esq.	5	1 0	176	..	37·57	201	159
D Warrington (Howley Yard)	A. M. Ker, Esq.....	10	0 9	26	..	33·33	182	136
D St. Helen's (Eccleston Hill)	A. W. Bradley, Esq.	12	3 0	265	33·8	38·35	224	·168
D St. Helen's (Victoria Park)	Dr. F. Hauxwell	8	1 5	160	..	43·60	222	183
d Earlestown (Newton Cemetery)	T. E. Clough, Esq.	5	1 0	75	32·5	37·50	..	..
D Leigh (Sewage Works)	D. Ledson, Esq.....	5	1 0	67	..	40·91	213	169
D Leigh (Leesrigg)	Maj. T. Hunter, V.D., C.E.	5	1 0	71	..	38·68	211	182
3.—MERSEY—Irwell. 299 sq. mi.								
D Manchester (Hullard Park)	E. Worrall, Esq., C.E.	8	1 1	100	..	40·56	192	171
D Urmston(Sew.Wks.,Davyhulme)	G. F. Walter, Esq.	8	2 2	72	31·4	38·13	206	167
D Patricroft (Eccles Sewage Wks.)	C. J. Girling, Esq.....	5	1 3	50	..	35·94	205	159
D Manchester (Godlee Observ'y)	W. C. Jenkins, Esq.	8	1 6	140	33·0	35·92	205	163
D Manchester (Oldham Road)	Dr. R. Veitch Clark	5	1 0	191	34·3	39·52	218	168
D Manchester (Whitworth Park)	Manchester University ...	8	1 5	125	31·7	34·73	211	163
D Ashton-und.-Lyne(KnottH.Res.)	G. H. Raddin, Esq., C.E...	6	1 0	605	37·1	44·66	224	186
D Swinton (Victoria Park)	The Medical Officer of Health	8	1 0	253	..	41·90	206	173
D Prestwich Sewage Works	M. A. Piercy, Esq., C.E. ..	8	1 0	136	..	46·45	221	180
Prestwich Reservoir	L. Holme Lewis, Esq., C.E.	12	2 0	357	34·9	41·79	..	..
D Prestwich (Heaton Park)	Manchester Corporation ..	8	1 0	312	..	43·83	207	174
Prestwich (Heaton Park Res.)	L. Holme Lewis, Esq., C.E.	5	1 0	355	..	48·29	..	..
D Oldham Gas Works	Ernest Parry, Esq., C.E. ..	5	3 8	600	37·9	44·64	230	180
D Oldham (BrushesClough) No. 3	C. J. Batley, Esq., C.E. ..	5	1 0	921	..	55·54	236	194
D Bolton (Queen's Park)	(+A)T. Midgley, Esq.	5	1 0	342	43·7	52·69	226	180
D Bolton (Heaton Reservoir)	J. K. Swales, Esq., C.E. ..	5	1 0	500	43·4	53·75	239	189
D Bolton (Bloomfield, Heaton)	Mrs. F. Taylor, J.P.....	5	1 0	530	..	46·86	246	182
D Bolton (Smithills Hall)	Nigel V. Ainsworth, Esq...	8	1 2	510	46·1	55·70	207	170
D Bury (Parsons Lane)	R. B. Rigby, Esq.....	8	9 6	316	..	50·72	221	185
D Bury (Bridge Hall)	Miss Wrigley	8	1 0	..	..	48·84	224	180
D Bradshaw (Sewage Works)	Turton U.D.C.	5	1 9	329	..	50·62	194	178
D New Hey (Sewage Works)	Mr. J. B. Ogden	5	1 0	514	41·4	49·71	197	171
D Milnrow (Butterworth Hall)	C. J. Batley, Esq., C.E. ..	5	1 0	512	43·6	51·45	241	188
D Milnrow (Piethorne, Kitcliffe)	C. J. Batley, Esq., C.E. ..	5	1 0	766	..	55·68	238	192
D Milnrow (Piethorne, Coldgreave)	C. J. Batley, Esq., C.E. ..	5	1 0	832	40·9	56·99	237	191
D Rochdale (Roch Mills Sew.Wks)	S. H. Morgan, Esq.	8	1 1	363	..	61·00	227	183
D Rochdale (Broadfield Pk. Obsy.)	Dr. A. G. Anderson	8	1 0	472	43·9	49·82	231	179
D Rochdale (Fieldhead Yard)	S. H. Morgan, Esq.	8	12 0	484	..	47·53	203	173
Rochdale (AshworthMoor Res.)	J. Entwistle, Esq.	5	1 2	956	..	49·91	218	186
Bolton (Egerton House) *Old g.*	E. H. Ashworth, Esq.	5	1 0	633	49·0	59·48	..	..
D Bolton (Egerton House) *New g.*	E. H. Ashworth, Esq.	5	1 0	633	..	60·67	..	..
D Bury (Gin Hall)	No. 1 J. WoodheadSmith,Esq.CE	8	1 0	475	43·7	50·07	209	177
D Bury (Gin Hall)	No. 2 J. WoodheadSmith,Esq.CE	8	1 0	475	41·0	52·07	209	180
D Bolton W.W.(Springs Reservoir)	J. K. Swales, Esq., C.E. ..	5	1 0	800	56·6	66·36	227	192
Bolton W. W. (Eagley)	J. K. Swales, Esq., C.E....	5	1 0	605	..	59·80	..	..
M Bolton W.W. (Hordern)	J. K. Swales, Esq., C.E. ..	5	1 0	1160	52·5	65·50	..	..
D Bolton W. W. (Delph)	J. K. Swales, Esq., C.E. ..	5	1 0	710	..	63·22	240	190
M Bolton W.W. (Longworth)	J. K. Swales, Esq., C.E. ..	5	1 0	770	51·8	63·18	..	..
D Bolton, W. W. (Wayoh) .No. 2	J. K. Swales, Esq., C.E. ..	5	1 0	612	..	63·58	248	190
Bolton, W. W. (Holden's Farm)	J. K. Swales, Esq., C.E. ..	5	1 0	955	..	64·46	..	..
Bolton, W. W. (Isherwood Fold)	J. K. Swales, Esq., C.E. ..	5	1 0	567	..	57·97	..	..
Bolton W.W. (Top-o'-th'-Brow)	J. K. Swales, Esq., C.E. ..	5	1 0	935	..	67·47	..	..

DIVISION VIII.—NORTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
SOUTH LANCASHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—MERSEY—Irwell—(*con.*).								
D Bolton W.W. (Entwistle)	J. K. Swales, Esq., C.E. ..	5	1 0	700	..	65·45	243	199
Bolton W.W. (Bromiley Heys)	J. K. Swales, Esq., C.E. ..	5	1 0	925	..	63·13	..	..
Bolton W.W. (Fox Hill)	J. K. Swales, Esq., C.E. ..	5	1 0	885	..	61·98	..	..
Bolton W.W. (Hulton Pasture)	J. K. Swales, Esq., C.E. ..	5	1 0	1130	..	57·45	..	..
Bolton W.W. (Moorside)	J. K. Swales, Esq., C.E. ..	5	1 0	850	..	56·84	..	..
Bolton W.W. (Clough)	J. K. Swales, Esq., C.E. ..	5	1 0	1150	..	66·36	..	..
Bolton W.W. (Cote Farm)	J. K. Swales, Esq., C.E. ..	5	1 0	860	..	64·67	..	..
Bolton W.W. (Green Lowe)	J. K. Swales, Esq., C.E. ..	5	1 0	1125	..	61·66	..	..
Bolton W.W. (Little Edge)	J. K. Swales, Esq., C.E. ..	5	1 0	1100	..	57·79	..	..
Bolton W.W. (Cranberry Moss)	J. K. Swales, Esq., C.E. ..	5	1 0	975	..	58·27	..	..
M Bolton W.W. (Slater Lane)	J. K. Swales, Esq., C.E. ..	5	1 0	985	51·3	61·57	..	..
Bolton W.W. (Brown Lowe)	J. K. Swales, Esq., C.E. ..	5	1 0	1200	..	62·33	..	..
Bolton W.W. (Top of Meadow)	J. K. Swales, Esq., C.E. ..	5	1 0	1010	..	60·45	..	..
Bolton W.W. (Naze End)	J. K. Swales, Esq., C.E. ..	5	1 0	965	..	61·13	..	..
Bolton W.W. (Higher Anshaw)	J. K. Swales, Esq., C.E. ..	5	1 0	1000	..	58·66	..	..
Bolton W.W. (Longshoot)	J. K. Swales, Esq., C.E. ..	5	1 0	930	..	61·51	..	..
Bolton W.W. (Uglow)	J. K. Swales, Esq., C.E. ..	5	1 0	1150	..	56·77	..	..
D Rochdale (Hamer Pasture Res.)	Rochdale Corporation	5	1 0	760	..	59·12	240	195
D Rochdale (Naden Filters)	J. Entwistle, Esq.	5	1 8	761	..	56·20	210	192
M Norden (Higher Red Lumb)	J. Entwistle, Esq.	5	1 3	1125	43·0	51·85	..	..
W Norden (Far Knowl Farm)	J. Entwistle, Esq.	5	0 10	..	45·7	58·86	..	..
W Rochdale (Naden Dean) *old g.*	J. Entwistle, Esq.	5	1 4	948	..	48·51	..	..
W Rochdale (Naden Dean) *new g.*	J. Entwistle, Esq.	5	1 4	948	..	52·32	..	..
D Littleborough (Hollngwrth Lke)	C. J. Batley, Esq., C.E. ..	8	1 0	610	..	48·77	229	187
d Littleborough (Broadhead)	C. J. Batley, Esq., C.E. ..	8	1 0	1337	..	49·77	..	..
d Littleborough (Blckstne Edge)	C. J. Batley, Esq., C.E. ..	8	1 0	1268	..	54·11	..	..
D Littleborough (Uppr Chlburn)	C. J. Batley, Esq., C.E. ..	8	1 0	725	..	54·87	253	191
D Littleborough (Chelburn)	C. J. Batley, Esq., C.E. ..	8	1 0	700	40·0	47·38	253	181
M Ramsbottom (Killgate Brook)	J. Entwistle, Esq.	5	1 0	978	45·6	54·05	..	..
M Ramsbottom (Cheesden Barn)	J. Entwistle, Esq.	5	1 0	997	43·8	52·82	..	..
D Edenfield (ScoutMoorRes.)No.1	J.WoodheadSmith,Esq.C.E	8	1 0	1275	37·4	49·66	237	182
D Edenfield (ScoutMoorRes.)No.2	J.WoodheadSmith,Esq.C.E	8	1 0	1275	42·0	54·98	237	184
D Waterfoot (Cragg Reservoir)	F. W. Mozley, Esq., C.E. .	5	1 0	1323	47·2	58·28	278	186
D Waterfoot (Cowpe Reservoir)	F. W. Mozley, Esq., C.E. ..	5	1 0	1013	47·1	59·34	277	190
D Rochdale(SpringMillWhitworth)	Rochdale Corporation	5	1 7	720	51·4	61·25	216	194
D Rochdale (Cowm, Whitworth)	Rochdale Corporation	5	1 7	762	51·1	61·40	212	201
D Helmshore (Clough House)	A. C. Cullen, Esq.	8	1 6	650	48·1	64·21	234	190
D Haslingden(HoldenWood) No.1	J.WoodheadSmith,Esq.,CE	8	1 0	670	54·6	66·20	216	195
D Haslingden(HoldenWood) No.2	J.WoodheadSmith,Esq.,CE	8	1 0	670	46·1	61·56	216	191
D Haslingden (Calf Hey) No.1	J.WoodheadSmith,Esq.,CE	8	1 0	800	51·9	65·34	216	197
D Haslingden (Calf Hey) No.2	J.WoodheadSmith,Esq.,CE	8	1 0	800	50·5	61·74	216	200
D Bacup (Sheephouse Reservoir)	F. W. Mozley, Esq., C.E. ..	5	1 0	1008	34·0	42·52	257	173
d Rawtenstall Cemetery	J. Johnson, Esq.	8	1 1	572	49·8	57·57	..	171
D Rawtenstall(Cloughbottom)No.1	J.WoodheadSmith,Esq.,CE	8	1 0	1025	46·3	58·31	239	205
D Rawtenstall(Cloughbottom)No.2	J.WoodheadSmith,Esq.,CE	8	1 0	1025	42·9	55·45	239	193
D Rawtenstall (Hapton Res.) No.1	J.WoodheadSmith,Esq.,CE	8	1 0	930	..	58·53	236	204
D Rawtenstall (Hapton Res.) No.2	J.WoodheadSmith,Esq.,CE	8	1 0	930	49·6	61·96	236	204
4.—MERSEY, UPPER. 45 sq. mi.								
D Didsbury (Linden Road)	L. G. King, Esq.	8	1 6	110	32·0	33·01	204	162
D West Didsbury (Town Hall) (R)	Manchester Corporation ..	8	4 0	121	..	31·25	194	155
D Stockport (Heaton Mersey)	W. B. Leigh, Esq.	5	1 0	220	30·3	33·01	210	153
D Chorlton-cum-HardySew.Works	G. F. Walter, Esq.	8	4 6	95	31·0	33·87	213	168
D Fallowfield (Wilbraham Rd.)	H. G. Ellinger, Esq.	5	1 3	108	..	33·99	217	155
D Fallowfield (Platt Field Park)	Manchester Corporation ..	8	3 3	124	..	34·48	203	163
Denton Reservoir	L. Holme Lewis, Esq., C.E.	12	2 0	324	30·5	34·46	..	..
Gorton Reservoir	L. Holme Lewis, Esq., C.E.	12	2 0	263	32·0	34·60	..	..
D Ashton-u-Lyne(HenriettaStYd)	G. H. Raddin, Esq., C.E...	7	1 0	394	..	42·05	216	173
D Lower Swineshaw Reservoir	G. H. Raddin, Esq., C.E...	8	1 6	886	44·7	50·14	206	185
W Swineshaw Moor	G. H. Raddin, Esq., C.E...	5	1 0	1340	..	54·76	..	..
D Mossley (Manor House Yard)	G. H Raddin, Esq., C.E...	5	1 0	636	..	47·92	221	187

DIVISION VIII.—NORTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
CENTRAL LANCASHIRE. (Area, 536 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—RIBBLE & C. 326 sq. mi.								
Rivington (Higher Hill)	Col. J. R. Davidson, C.E.	8	1 4	733	36·8	44·28	..	..
D Haslingden(MitchellsHo.Res.)	A. J. Harrison, Esq.	5	1 6	990	44·7	52·60	217	183
D Darwen (Sunnyhurst Hey Res.)	E. Marsden, Esq., C.E.	8	1 8	915	43·5	57·65	231	194
D Darwen (Earnsdale Reservoir)	E. Marsden, Esq., C.E.	8	1 8	705	47·0	58·84	232	195
D Darwen (Bold Venture Park)	Dr. J. Robertson	8	1 1	724	56·4	58·32	234	185
D Darwen (Hoddesden) No. 1	H. M. Webb, Esq., C.E.	8	1 6	680	48·6	57·56	224	178
D Darwen (Daisy Green) No. 1	H. M. Webb, Esq., C.E.	8	1 6	969	46·4	51·33	223	185
D Darwen (Pickup Bank) No. 1	H. M. Webb, Esq., C.E.	8	1 6	720	46·8	50·42	224	179
D Brindle (Whiteholme)	Mrs. Victor H. Gatty	5	1 8	315	34·4	47·40	184	172
D Blackburn (Guide Reservoir)	H. M. Webb, Esq., C.E.	8	1 6	610	39·6	46·30	222	177
D Blackburn (Witton)	H. M. Webb, Esq., C.E.	8	1 6	315	..	44·08	213	165
Blackburn Fever Hospital	H. M. Webb, Esq., C.E.	6	1 6	570	..	43·30	234	170
D Blackburn (Pumping Station)	H. M. Webb, Esq., C.E.	8	1 6	600	..	51·25	211	181
D Hutton(Lancs.C.C.Hortic.Stat.)	J. Gillett, Esq.	5	1 0	82	35·4	39·13	208	156
D St.Anne's-on-Sea(LawrenceHo.)	C. G. D. Hoare, Esq.	5	1 6	25	33·1	37·53	193	166
D St. Anne's-on-Sea (South Side)	Dr. J. P. Litt.	5	1 0	25	32·8	33·99	192	153
D Accrington (Milnshaw Park)	Mr. J. W. Terry	5	1 6	464	39·4	47·10	211	179
D Preston (Corporation Offices)	J. H. Smethurst, Esq., C.E.	8	18 7	148	35·3	40·36	231	169
D Samlesbury Sewage Works	H. M. Webb, Esq., C.E.	8	1 6	240	40·4	40·13	213	164
W Causeway Side (Burnley W.W.)	S. Rawlinson, Esq.	8	2 0	1116	..	47·41	..	..
W Sheddin (Burnley W. W.)	S. Rawlinson, Esq.	8	2 0	960	43·3	47·60	..	..
D CantCloughS.Side(BurnleyWW)	S. Rawlinson, Esq.	8	2 0	900	43·8	47·16	237	187
D CantCloughN.Side(BurnleyWW)	S. Rawlinson, Esq.	8	2 0	900	41·6	44·68	237	185
W RamsCloughHead(BurnleyWW)	S. Rawlinson, Esq.	8	2 0	1260	42·3	45·52	..	..
D Huncoat (Burnley Road Res.)	A. J. Harrison, Esq	9	1 6	620	..	55·65	210	168
D Wilpshire (Brooklyn Road)	H. W. Apperley, Esq.	5	1 0	408	..	47·16	228	181
D Great Harwood (Parsonage Res.)	H. M. Webb, Esq., C.E.	8	1 0	631	..	51·11	214	185
D Great Harwood (Dean Clough)	A. J. Harrison, Esq.	12	1 6	540	..	50·68	218	180
D Burnley (Queen's Park)	Dr. T. Holt	8	1 0	458	..	46·63	228	180
D Burnley (Swinden) *Upper g.*	S. Rawlinson, Esq.	8	12 0	820	..	49·38	254	193
D Burnley (Swinden) *Lower g.*	S. Rawlinson, Esq.	8	2 0	745	44·3	50·83	254	199
W Burnley (Extwistle Moor Top)	S. Rawlinson, Esq	8	2 0	1310	46·3	47·15	..	..
D Padiham (Altham Sew. Works)	J. Wrest, Esq., C.E.	5	1 0	225	..	46·48	226	176
D Padiham (Gawthorpe Hall)	Lord Shuttleworth	8	0 9	316	43·2	46·85	213	180
D Padiham (Huntroyde)	E. G. Howsin, Esq.	5	1 0	423	..	48·60	227	182
Alston Reservoir	J. H. Smethurst, Esq., C.E.	8	1 2	320	41·0	47·41	..	..
D Nelson (Coldwell Res.) S No. 2	J. A. Rodwell, Esq., C.E.	5	1 0	960	..	54·38	237	190
D Nelson (Victoria Park)	J. A. Rodwell, Esq., C.E.	5	1 0	375	..	50·13	208	182
D Nelson (Walton Lane Cemetery)	J. W. Ingham, Esq.	5	1 0	540	..	48·85	214	179
D Stonyhurst College (+A)	Rev. E. D. O'Connor	8	1 10	377	46·5	52·79	221	186
M Knowle Green (Preston W. W.)	J. H. Smethurst, Esq., C.E.	8	1 2	400	40·9	49·06	..	..
M Spade Mill (Preston W. W.)	J. H. Smethurst, Esq., C.E.	8	1 2	400	41·6	46·11	..	..
M Jeffrey Hill (Preston W. W.)	J. H. Smethurst, Esq., C.E.	8	1 2	900	47·2	52·43	..	..
D Sabden (Whins House)	Miss Foster	5	1 0	500	..	49·83	217	189
D Sabden (Churn Clough Res.)	J. Wrest, Esq., C.E.	5	1 0	790	..	53·36	266	196
W Sabden (Craggs Dole)	J. Wrest, Esq., C.E.	8	1 0	1050	..	54·58	..	..
W Newchurch (Cock Dole)	J. Wrest, Esq., C.E.	5	1 0	1090	..	58·27	..	..
D Barley (Ogden Reservoir)	J. A. Rodwell, Esq., C.E.	5	2 0	950	..	59·05	223	194
D Colne (Cemetery Grounds) (R)	T. H. Hartley, Esq.	6	3 0	616	..	43·55	221	174
D Colne (Swinden Sew. Works)	T. H. Hartley, Esq.	5	1 0	423	..	50·27	237	183
Barrowford Reservoir	Leeds&Liverpool Canal Co.	8	1 0	473	..	46·83	..	..
Foulridge (Upper Reservoir)	Leeds &Liverpool Canal Co.	8	1 0	582	..	49·08	..	..
Foulridge (Reedy Moor)	Leeds &Liverpool Canal Co.	5	1 0	553	..	45·96	..	..
D Clitheroe (Hall Foot)	L. King Wilkinson, Esq.	5	1 5	378	..	51·75	227	175
Clitheroe (Downham Hall)	R. C. Assheton, Esq.	10	1 6	464	41·5	50·25	..	..
D Chatburn (Fir Tree House)	C. W. Wheeler, Esq.	5	1 0	385	..	50·14	219	175
2.—RIBBLE—Douglas. 156 sq. mi.								
D WiganWW(BillingeHigherEnd)	R. B. Donald, Esq., C.E.	12	3 6	374	..	41·92	203	169
D Orrell (Upholland Gram Sch.)	C. H. Cox, Esq.	5	1 0	320	35·4	43·27	234	179

DIVISION VIII.—NORTH-WESTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
	CENTRAL LANCASHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—RIBBLE—Douglas—(*con.*).								
D	Wigan W. W. (Worthington)	R. B. Donald, Esq., C.E.	8	1 6	225	35·4	46·93	212	163
D	Horwich (Lower Rivington)	Col. J. R. Davidson, C.E.	8	1 0	440	..	47·86	233	174
	Horwich (Lower Knoll)	Col. J. R. Davidson, C.E.	8	1 4	742	42·0	49·50	..	..
	Rivington (Brown Hill)	Col. J. R. Davidson, C.E.	8	1 4	843	40·6	48·48	..	..
D	Rivington (Stoneshouse) No. 1	Col. J. R. Davidson, C.E.	8	1 4	623	41·8	51·93	214	171
	Rivington (Stoneshouse) No. 2	Col. J. R. Davidson, C.E.	8	1 4	623	..	46·02	..	..
	Rivington (Hurst Hill)	Col. J. R. Davidson, C.E.	8	1 10	1029	43·1	54·77	..	..
	Rivington (Great Hill)	Col. J. R. Davidson, C.E.	8	1 8	1240	..	53·23	..	..
	Rivington (Coppice Stile)	Col. J. R. Davidson, C.E.	8	1 8	879	39·2	46·10	..	..
	Rivington (Gamekeeper's)	Col. J. R. Davidson, C.E.	8	0 8	850	45·5	52·57	..	..
D	Chorley (Com. Bk. Sew. Wks.)	J. Slater, Esq.	5	1 0	179	..	40·85	218	162
D	Leyland (Worden Hall) (+A)	H. Nowell ffarington, Esq.	5	1 0	125	36·3	40·79	214	166
D	Bamber Bridge (Cuerden Hall)	J. Alleyne Robinson, Esq.	5	1 0	230	36·7	39·75	204	162
	3.—COAST STREAMS. 52 sq. mi.								
W	Birkdale (Kent Rd.)	J. Baxendell, Esq.	5	1 0	26	32·6	37·45	..	..
D	Southport (Hesketh Park) (+A)	J. Baxendell, Esq.	8	1 0	37	32·0	36·25	206	164
	4.—OUSE—Aire. 2 sq. mi.								
D	Watersheddles Reservoir	M. Ratcliffe Barnett, Esq., C.E.	5	1 0	1115	..	56·88	231	199
	Foulridge (Canal Office)	Leeds & Liverpool Canal Co.	8	1 0	497	..	48·43	..	..
	NORTH LANCASHIRE. (Area, 609 sq. mi.)								
	1.—DUDDON & C. 77 sq. mi.								
D	Barrow-in-Furness (Gas Works)	Claude Diamond, Esq.	11	3 6	17	37·6	51·75	218	176
D	Barrow-in-Furness (Sewage Wks)	W. C. Persey, Esq., C.E.	5	1 0	20	..	46·48	216	173
D	Little Urswick (North View)	J. Dobson, Esq.	5	1 6	130	45·4	52·30	220	167
D	Askam (Senr. Council School)	J. H. Collinson, Esq.	5	1 11	37	..	51·22	199	159
D	Ulpha	Claude Diamond, Esq.	11	1 6	251	..	65·71	242	189
d	Duddon Valley (Seathwaite Vic)	Rev. F. K. Berry	5	1 0	348	..	84·87	..	..
W	Duddon Val. (Seathwaite Tarn)	Claude Diamond, Esq.	11	1 6	1221	..	107·24	..	..
	2.—LEVEN & C. 135 sq. mi.								
D	Cartmel (Holker Hall)	Lord Richard Cavendish	5	0 9	85	44·5	50·35	221	176
D	Ulverston (Pengwerne)	C. J. Chapman, Esq.	5	1 4	138	..	56·52	229	183
D	Ulverston (Poaka Beck)	Claude Diamond, Esq.	11	1 6	512	52·1	62·24	228	191
D	Newby Bridge (Tarn Potts)	Fred. L. O'Dwyer, Esq.	5	1 0	160	52·2	58·47?	197	174
	Rusland Hall	C. F. Archibald, Esq.	5	14 0	45	44·7	53·34	236	179
d	Coniston (School Garden)	L. Grace, Esq.	5	1 0	180	..	85·79	..	..
D	Hawkshead (Tower Bank Sawrey)	Miss Alcock-Beck	5	2 0	342	65·1	68·07	232	178
	Hawkshead (Foundation Sch.)	J. Lowe Handley, Esq.	5	0 6	214	..	76·20	..	..
D	Hawkshead (Bettyfold)	H. T. Gnosspelius, Esq.	5	1 0	500	..	85·39	230	193
M‡	Hawkshead (Black Fell)	Miss C. Marshall	5	1 6	1055	..	71·86	..	..
D	Ambleside (Skelwith Fold)	Miss C. Marshall	5	1 0	333	..	86·93	257	198
	3.—KENT & C. 45 sq. mi.								
d	Heysham Harbour	L. M. & S. Rly. Co.	5	1 6	25	..	40·63	..	..
D	Morecambe	H. Morgan, Esq.	8	1 0	25	..	42·75	208	170
D	Yealand Conyers (Beechfield)	Mrs. Roper	5	1 0	250	..	48·73	229	176
D	Yealand Conyers (Morecambe Lo.)	J. Rawlinson Ford, Esq.	5	1 0	278	..	49·69	207	185
D	Grange-over-Sands (Eden Mount)	Miss K. F. Brothers	5	1 6	280	..	51·59	241	176
D	Grange-over-Sands (Nutwood)	Miss S. M. Arkwright	5	1 0	140	..	49·73	210	173
D	Grange-over-Sands (Holmcroft)	R. Rhodes, Esq.	5	1 3	45	..	52·15	212	171
D	Lindale (Ellerhow)	Lady Tomlinson	5	1 5	300	..	58·15	211	175
D	Cartmel Fell (The Schoolhouse)	R. J. Craghill, Esq.	5	5 0	220	54·9	63·36	237	193

‡ Gauge over-exposed on Moor.

DIVISION VIII.—NORTH-WESTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
	NORTH LANCASHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—LUNE. 135 sq. mi.								
D	Hampson in Ellel	W. G. Welch, Esq.	5	1 0	145	..	43·90	203	159
D	Quernmore (Brow Top)	F. Hill, Esq., C.E.	8	1 0	552	..	51·17	204	177
	Bowland Forest (High Salter)	J. T. Sanderson, Esq.	5	1 0	1014	..	55·91 ?	..	..
	Bowland Forest (Whiteray)	J. T. Sanderson, Esq.	5	1 0	1139	..	65·93	..	..
	Bowland Forest (Lower Salter)	J. T. Sanderson, Esq.	5	1 0	572	..	56·17	..	..
D	Lancaster (Strathspey)	A. B. S. Welch, Esq.	5	1 0	87	..	45·26	240	174
D	Lancaster (Blea Tarn Res.)	F. Hill, Esq., C.E.	8	1 0	330	..	45·22	211	160
D	Lancaster (Greg Obsy.) (+A)	Neville Holden, Esq.	8	1 0	312	41·0	49·45	221	172
D	Lancaster (Lune Aqueduct)	F. G. T. Adams, Esq.	8	3 0	74	..	46·45	205	165
D	Wray (Wray House)	Baldwin Bent, Esq., C.E.	5	1 6	170	..	49·47	213	171
d	Wennington (Tatham Rectory)	Rev. A. S. Roberts	5	1 3	150	..	54·78	..	161
	5.—WYRE & C. 213 sq. mi.								
D	Weeton Reservoir (No. 1)	Fylde Water Board	5	1 0	133	..	43·02	197	165
D	Weeton Reservoir (No. 3)	Fylde Water Board	5	1 0	108	..	44·21	197	169
D	Blackpool (Met. Observatory)	E.W. Rees Jones, Esq., M.D.	5	1 0	67	33·4	36·92	203	155
D	Barton (Newsham House)	W. B. S. Smith, Esq.	5	1 0	100	..	43·92	206	166
D	Kirkham (Elswick Lodge)	L. G. King, Esq.	5	1 0	52	37·9	40·78	203	163
D	St. Michael's-on-Wyre Vicarage	Ven. Archdeacon Hornby	5	1 0	26	36·6	41·52	203	153
D	Garstang (Barnacre Reservoir)	Fylde Water Board	5	1 0	616	46·4	55·19	216	167
D	Garstang (Grizedale Reservoir)	Fylde Water Board	5	1 0	517	43·6	53·10	214	164
	Garstang (Calder Intake)	Fylde Water Board	5	1 0	632	..	57·51	..	..
	Garstang (Grizedale Intake)	Fylde Water Board	5	1 0	644	..	55·34	..	..
D	Wyresdale (Abbeystead Res.)	F. Hill, Esq., C.E.	8	1 0	366	..	60·97	224	190
D	Abbeystead Gardens	Mr. Geo. Penk	8	1 2	420	..	61·74	225	179
	Quernmore (Old Gauge Basin)	F. Hill, Esq., C.E.	8	1 0	963	..	54·53	..	..
M	Wyresdale (Wardstone)	F. Hill, Esq., C.E.	8	1 0	1440	..	71·12	..	..
	6.—INSULAR. 4 sq. mi.								

DIVISION IX.—YORKSHIRE.

WEST RIDING. (Area, 2,791 sq. mi.)

	1.—LUNE. 178 sq. mi.								
D	Austwick (Leigh House)	R. Stockdale, Esq.	5	1 0	500	..	51·93	222	176
D	Austwick (Beck House)	Rev. J. Turner	5	1 1	475	..	53·85	234	183
D	High Bentham (Inglefield)	Geoffrey Holmes, Esq.	5	1 0	412	..	46·48	215	169
	Ingleton (Ellerbeck) (R)	Mrs. H. E. Hollins	8	1 0	480	..	57·42	..	..
D	Sedbergh (Brigg Flats)	The Misses Wilson	5	1 0	305	..	63·57	211	175
D	Sedbergh (Haverabank)	A. Mountain, Esq.	5	1 0	450	..	67·13	211	185
	2.—RIBBLE. 225 sq. mi.								
D	Colne (Laneshaw Reservoir)	J. F. Bedford, Esq., C.E.	5	1 0	842	..	42·84	224	179
D	Barnoldswick (Rainhall Road)	Asa Burniston, Esq.	5	1 2	549	..	41·41	217	167
	Barnoldswick (Greenberfield L.)	Leeds & L'pool. Canal Co.	8	1 0	488	..	48·19	..	..
D	Slaidburn (Thorneyholme)	Mr. G. Marr	5	2 0	380	..	66·78	202	186
	Slaidburn (Hareden Valley)	J. H. Smethurst, Esq., C.E.	8	1 2	540	..	79·53	..	..
M	Slaidburn (Langden Brook)	J. H. Smethurst, Esq., C.E.	8	1 8	556	..	82·54	..	..
D	Slaidburn (Dunsop Houses)	H. M. Webb, Esq., C.E.	8	1 6	450	62·9	74·65	235	194
D	Slaidburn (Footholme)	H. M. Webb, Esq., C.E.	8	1 6	565	..	74·10	218	193
M	Slaidburn (Middle Knoll)	H. M. Webb, Esq., C.E.	5	2 6	1298	..	65·10	..	..
D	Slaidburn (Brennand)	H. M. Webb, Esq., C.E.	8	1 6	820	..	74·24	217	194
D	Slaidburn (Croasdale House)	H. M. Webb, Esq., C.E.	8	1 6	600	..	53·14	204	179
D	Slaidburn (Croasdale Valley)	H. M. Webb, Esq., C.E.	8	1 6	720	..	48·39	203	171

DIVISION IX.—YORKSHIRE—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
	WEST RIDING—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—RIBBLE—(*con.*).								
D	Slaidburn (Whitendale)	H. M. Webb, Esq., C.E. ..	8	1 6	830	..	75·94	219	194
M	Slaidburn (Cabin Hill)	H. M. Webb, Esq., C.E. ..	5	3 1	1559	..	86·75	..	..
M	Slaidburn (Baxton Fell)	H. M. Webb, Esq., C.E. ..	5	2 6	1540	..	66·89	..	..
M	Slaidburn (Saddle Hill)	H. M. Webb, Esq., C.E. ..	5	2 6	1475	..	59·67	..	..
D	Settle (Gas Works)	J. W. Shepherd, Esq.	8	1 0	450	..	49·72	210	179
D	Settle (Giggleswick School)	A. Russell, Esq.	8	1 0	575	..	47·74	213	184
	Horton-in-Ribblesdale	Nathaniel Hunt, Esq.	5	1 0	800	..	64·43	..	..
	3.—MERSEY—Irwell. 2 sq. mi.								
	4.—MERSEY, UPPER. 35 sq. mi.								
W	Greenfield (Upperwood Moor)	G. H. Raddin, Esq., C.E...	5	1 0	1518	46·5	52·39	..	..
D	Greenfield (Chew Mount)	G. H. Raddin, Esq., C.E...	5	1 0	1578	52·2	60·81	237	198
W	Greenfield (Chew Reservoir)	G. H. Raddin, Esq., C.E...	5	1 0	1648	..	60·17	..	..
D	Greenfield (Yeoman Hey)	G. H. Raddin, Esq., C.E...	5	1 0	759	50·4	55·15	228	205
W	Greenfield (Ashway Moss)	G. H. Raddin, Esq., C.E...	5	1 0	1581	37·1	51·73	..	..
W	Greenfield (Birchen Clough)	G. H. Raddin, Esq., C.E...	5	1 0	1018	53·2	56·31	..	..
M	Saddleworth Station	L. M. & S. Rly.	5	4 10	630	..	49·37	..	..
D	Oldham (Strinesdale) *New*	C. J. Batley, Esq., C.E. ..	5	1 0	791	35·9	55·32	229	185
D	Standedge(CasShawBroadh'd)*New*	C. J. Batley, Esq., C.E..	8	1 0	857	41·8	61·55	262	207
M	Standedge (Redbrook Res.)	L. M. & S. Rly.	8	2 0	1150	45·7	55·37	..	..
D	Denshaw (Ox Hey) *New*	C. J. Batley, Esq., C.E. ..	8	1 0	1031	42·7	56·72	252	194
D	Denshaw (Crawshaw Hey)	C. J. Batley, Esq., C.E. ..	8	1 0	956	..	57·55	252	196
D	Denshaw (New Year's Br.) *New*	C. J. Batley, Esq., C.E ..	8	1 0	986	..	54·43	252	197
	5.—TRENT—Derwent. 7 sq. mi.								
	Derwent Dale (Abbey Brook) 65	S. B. Winser, Esq., C.E. .	5	1 0	825	44·9	54·04	..	..
	Derwent Dale (Howden Cl'gh) 64	S. B. Winser, Esq., C.E. ..	5	1 0	1030	43·0	54·04	..	..
	Derwent Dale (Howden Ho.) 19	S. B. Winser, Esq., C.E. ..	8	1 0	890	42·9	51·45	..	..
	Derwent Dale (Sandy Lee) No. 7	S. B. Winser, Esq., C.E. ..	5	1 0	1340	45·7	53·14	..	..
	6.—TRENT—Left Bank Tributaries. 143 sq. mi.								
D	Lindrick Common (Woodside)	J. F. Eardley, Esq.	5	1 0	250	..	30·68	178	131
D	Woodsetts Grange (Old Vic.)	H. P. Marsh, Esq.	5	1 6	210	..	30·68	198	136
D	Bawtry (Council Mixed School)	J. Rushworth, Esq.	5	1 0	37	..	26·78	176	115
	7.—OUSE—Don. 564 sq. mi.								
D	Sheffield W.W. (Redmires Res.)	S. H. Studley, Esq., C.E. .	10	5 0	1110	40·3	43·30	215	162
	Sheffield W.W. (Redmires Res.)	S. H. Studley, Esq., C.E. .	8	4 0	1110	..	42·84	..	..
D	Sheffield W.W. (Rivelin) (R)	S. H. Studley, Esq., C.E...	10	4 0	564	35·8	39·76	202	147
	Sheffield W W (Rivelin)	S. H. Studley, Esq., C.E...	8	4 0	564	35·7	39·93	..	..
D	Sheffield W.W. (Crookes) (R)	S. H. Studley, Esq., C.E...	10	2 0	629	29·9	32·79	188	134
	Sheffield W.W. (Crookes)	S. H. Studley, Esq., C.E...	8	2 0	629	29·9	32·66	..	..
D	Sheffield (Weston Park)	E. Howarth, Esq.	8	1 0	428	30·4	34·13	200	137
D	Darnall (High Hazels Museum)	E. Howarth, Esq.	8	1 0	285	..	28·11	184	124
	Loxley Valley (Broadcar)	S. H. Studley, Esq., C.E...	5	1 0	1004	45·4	52·36	..	..
	Loxley V. (Oaks Fm. Damflask)	S. H. Studley, Esq., C.E...	5	1 0	550	..	40·34	..	..
	Loxley V. (Loftshaw, Strines)	S. H. Studley, Esq., C.E...	5	1 0	1011	44·3	50·19	..	..
	Loxley V. (Dale Dike Res.)	S. H. Studley, Esq., C.E...	8	3 0	715	40·9	48·16	..	..
	Loxley V. (Thornseat)	S. H. Studley, Esq., C.E...	5	1 0	1326	..	50·79	..	..
	Loxley V. (Rocher Flat)	S. H. Studley, Esq., C.E...	5	1 0	1106	38·3	44·49	..	..
	Loxley V. (Emlin Moor)	S. H. Studley, Esq., C.E...	5	1 0	998	..	51·26	..	..
D	Rotherham (Ulley Res.) .. (2)	Vincent Turner, Esq., C.E.	5	1 0	184	..	27·18	162	120
D	Rotherham (Ulley Res.) .. (1)	Vincent Turner, Esq., C.E.	5	1 0	184	..	25·45	162	118
D	Rotherham (Ulley Res.) .. (3)	Vincent Turner, Esq., C.E.	5	1 0	132	..	26·66	161	118
D	Wincobank (Sewage Works) (R)	J. Haworth, Esq.	5	2 0	90	..	25·68	164	114
D	Rotherham (Sitwell Vale)	G. Howard, Esq.	5	1 0	300	..	30·15	187	134
D	Rotherham (Moorgate Grange)	Messrs. Guest & Chrimes, Ltd.	5	1 8	275	25·4	28·46	177	125
D	Rotherham (Kimberw'rth Sch.)	Vincent Turner, Esq., C.E.	5	1 0	258	..	26·44	173	119

DIVISION IX.—YORKSHIRE—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
	WEST RIDING—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	7.—OUSE—Don—(*con.*).								
D	Rotherham (Aldwarke.SewWk.)	James H. Kershaw, Esq. .	5	1 4	71	..	28·12	196	124
D	Rotherham (Thrybergh)	F. O. Kirby, Esq., C E. ..	8	1 0	184	24·9	30·17	183	128
D	Ecclesfield (Sewage Works)	F. Thurlby, Esq.	8	3 3	179	..	29·08	178	130
D	Conisborough (Firsby Res.)	F. O. Kirby, Esq., C.E. ...	8	1 4	189	..	30·80	173	129
D	Wentworth Woodhouse	Mr. A. Third	5	0 10	360	..	30·63	172	127
D	Mexborough	G.Fenwick Carter,Esq.C.E.	5	1 6	77	..	27·63	189	123
	Wortley (Service Reservoir)	J. R. Fox, Esq., C.E.	5	1 0	700	29·5	32·09	223	150
	Midhope Moor (Barnside)	J. R. Fox, Esq., C.E.	5	1 0	1000	39·2	52·97	228	173
D	Little Don Val. (Underbank Rs.)	S. H. Studley, Esq., C.E...	8	1 6	604	35·0	40·63	215	150
	Little Don Val. (Brockholes)	S. H. Studley, Esq., C.E...	5	1 6	934	34·1	39·89	..	..
	Little Don Val. (Sheep House)	S. H. Studley, Esq., C.E...	5	1 6	974	34·3	39·27	..	..
D	Little Don Val. (Bridge Lane)	S. H. Studley, Esq., C.E...	8	1 0	761	37·3	45·68	250	177
	Langsett Moor (Midhope)	J. R. Fox, Esq., C.E.	5	1 0	830	40·3	42·29	246	172
D	Langsett Moor (Up. Midhope)	S. H. Studley, Esq., C.E...	8	1 6	925	39·9	45·67	250	168
	Langsett Moor (Mickleden)	S. H Studley, Esq., C.E...	5	1 6	1217	46·8	55·48	..	..
	Langsett Moor (Catclough)	S. H. Studley, Esq., C.E...	8	1 6	1516	46·4	54·15	..	..
	Langsett Moor (Fiddlers Green)	S. H. Studley, Esq., C.E...	8	1 6	1493	48·0	54·24	..	..
	Langsett Moor (Border Hill)	S. H. Studley, Esq., C.E...	5	1 6	1148	46·1	52·67	..	..
D	Langsett Moor (Swinden Lodge)	S. H. Studley, Esq., C.E...	8	1 6	1037	43·3	49·67	232	183
D	Langsett Moor (Flouch Road)	S. H. Studley, Esq., C.E...	8	1 0	960	39·3	46·16	249	172
D	Wath-upon-Dearne (Chapel St.)	Dr. T. Crowley	8	1 3	188	24·8	27·01	192	122
D	Doncaster (Pumping Station)	F. O. Kirby, Esq., C.E. ..	5	1 6	30	..	31.94	183	143
D	Doncaster (Avenue Road)	M. H. Stiles, Esq.	5	4 0	62	..	32·08	187	132
D	Bolton-on-Dearne (Goldthorpe)	E. Washington, Esq.	5	1 0	130	..	27·90	180	124
	Penistone (Scout Dike Res.)	J. R. Fox, Esq., C.E.	5	1 0	730	..	39·67	254	162
	Penistone (Ingbirchworth Res.)	J. R. Fox, Esq., C.E.	5	1 0	853	38·3	47·66	244	153
	Penistone (Broadstone Res.)	J. R. Fox., Esq., C.E.	5	1 0	..	..	43·38	217	161
D	Barnsley (Jordan Hill)	J. R. Fox, Esq., C.E.	5	1 0	460	26·2	29·81	223	135
D	Cawthorne (Cannon Hall)	J.M.Spencer Stanhope, Esq	5	0 11	418	28·8	34·94	180	143
d	Barnsley (Burntwood Hall)	J. Dymond, Esq.	5	1 0	378	..	31·91	..	130
D	Kirk Bramwith	H. A. Brundell, Esq., C.E.	5	1 0	17	..	31·05	176	127
d	Ackworth School	The Headmaster	8	1 0	100	25·1	28·67	..	..
D	Goole	Aire & Calder Navigation .	5	1 0	18	22·9	25·01	181	128
	8.—OUSE—Aire—Calder. 361 sq. mi.								
D	Holmbridge (Yateholme Res.)	W.H. Duckworth,Esq.,C.E.	5	1 0	1009	60·1	68·32	235	201
D	Holmbridge (Yateholme Farm)	W.H. Duckworth, Esq., C.E.	5	1 0	861	57·9	64·44	235	197
	Holmbridge (Bilberry Res.)	Messrs.Mallinson&Son,C.E.	5	1 0	970	55·9	60·30	..	..
	Holmfirth (Holme Styes Res.)	Messrs.Mallinson &Son,C.E.	5	2 0	830	45·9	52·50	..	..
	Holmfirth (Boshaw Whams R.)	Messrs. Mallinson&Son,C.E.	5	1 0	930	49·6	53·40	..	..
d	Holmfirth (Thongsbridge)	E. M. Robson, Esq.	8	0 10	..	..	46·78	212	167
	Meltham (Harden Moss)	J. W. Armitage, Esq., C.E.	8	1 0	1212	47·1	50·73	..	..
	Meltham (Harden Moss) *new g.*	J. W. Armitage, Esq., C.E.	8	1 0	1212	..	52·32	..	..
	Wessenden Head	*new g.* J. W. Armitage, Esq., C.E.	5	1 0	1200	..	51·32	..	..
	Wessenden (Old Reservoir)	J. W. Armitage, Esq., C.E.	8	1 0	940	..	45·61	..	..
	Wessenden (Butterley Moss)	J. W. Armitage, Esq., C.E.	8	1 0	1110	..	51·75	..	..
	Wessenden (Bobus)	J. W. Armitage, Esq., C.E.	5	1 0	1200	43·4	44·90	..	..
	Meltham (Brow Grains)	J. W. Armitage, Esq., C.E.	8	1 0	900	45·6	49·11	..	..
	Meltham (Royd Edge)	C. L. Brook, Esq.	8	1 0	585	49·0	52·54	..	..
D	Meltham (Harewood Lodge)	C. L. Brook, Esq.	8	1 0	513	44·7	47·87	239	182
	Meltham Grange	J. W. Armitage, Esq., C.E.	8	1 0	850	41·2	46·42	..	..
w	Marsden Reservoir*	L. M. & S. Rly.	8	2 4	692	..	57·67	..	..
	Marsden (Deer Hill)	J. W. Armitage, Esq., C.E.	8	1 0	1149	43·3	49·14	..	..
	Marsden (Deer Hill)	*new g.* J. W. Armitage, Esq., C.E.	8	1 0	1149	45·5	51·12	..	..
D	Slaithwaite (Blackmoorfoot)	J. W. Armitage, Esq., C.E.	8	1 0	800	44·1	45·65	273	191
D	Slaithwaite (Inglewood)	J. Woodhead, Esq.	5	1 0	546	45·5	48·71	248	182
d	Huddersfield (Bank Field,Golcar)	Miss Sykes	5	0 8	400	40·2	42·93	..	165
D	Huddersfield (Ravensknowle)(+A)	C. Mosley, Esq.	8	0 11	325	..	34·40	223	150

* Gauge on a steep bank.

DIVISION IX.—YORKSHIRE—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
WEST RIDING—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
8.—OUSE—Aire—Calder—(*con.*).								
w Huddersfield (LangleyTer.)(No.1)	S. Morris Bower, Esq.	5	1 0	772	..	36·73	..	..
w Huddersfield(CroslandRd.)(No.2)	S. Morris Bower, Esq.	4	1 0	761	..	39·75	..	..
D Huddersfield (Oakes)	S. Morris Bower, Esq.	5	1 0	761	..	39·02	224	159
w Moss Moor (Linsgreave)	C.ClemeshaSmith,Esq.,C.E.	5	1 0	1264	..	59·00	..	..
D Rishworth(G.Walden Edge) *old*	C.ClemeshaSmith,Esq.,C.E.	8	1 2	1135	49·2	55·60	240	202
D Rishworth(G.WaldenEdge) *new*	C.ClemeshaSmith,Esq.,C.E.	5	1 0	1078	49·2	56·00	240	196
w Rishworth (Stott Hall) ....*old*	C.ClemeshaSmith,Esq.,C.E.	8	1 0	937	..	54·79	..	..
w Rishworth (Stott Hall) ..*new*	C.ClemeshaSmith,Esq.,C.E.	5	1 0	935	..	53·69	..	..
D Rishworth(RingstoneRes.)(No.1)	C.ClemeshaSmith,Esq.,C.E.	5	1 0	980	42·6	46·04	240	174
D Rishworth(RingstoneRes.)(No.2)	C.ClemeshaSmith,Esq.,C.E.	5	1 0	962	42·6	52·00	240	181
w Rishworth Moor (Greystones)..	C.ClemeshaSmith,Esq.,C.E.	5	1 4	1192	..	56·80	..	..
d SoylandMoor(RishworthDrain)	C. J. Batley, Esq., C.E. ..	8	1 0	1290	..	58·37	..	..
w Soyland Moor (Summit)(No.1)	C.ClemeshaSmith,Esq.,C.E.	5	1 0	1280	..	51·48	..	..
w Soyland Moor (Summit)(No. 2)	C.ClemeshaSmith,Esq.,C.E.	5	0 11	1218	..	58·18	..	..
D Soyland Moor (Baitings Gate)..	C.ClemeshaSmith,Esq.,C.E.	5	1 0	943	50·1	54·60	229	187
d Soyland Moor (Byron Edge) ..	C. J. Batley, Esq., C.E. ..	8	1 0	1251	..	53·63	..	..
w Soyland Moor (Manshead)	C.ClemeshaSmith,Esq.,C.E.	5	1 0	1225	..	57·10	..	..
d Walsden (White Holme)	C. J. Batley, Esq., C.E. ..	8	1 0	1240	..	53·15	..	..
D Walsden (Calf Lee)	Rochdale Corporation	10	1 6	960	39·6	49·48	238	182
D Walsden (Warland Res.)	Rochdale Corporation	8	1 5	1250	..	50·45	243	182
D Walsden (Warland Drain)	Rochdale Corporation	8	1 5	1250	..	60·73	246	192
Walton Hall.....	E. J. Simpson, Esq.	5	0 10	137	..	28·95	..	..
d Kirkheaton (Kirk Vale)	Miss A. Robson	8	1 0	220	..	32·23	184	140
D Horbury (Addingford Hos.) ...	J. H. Horsfall, Esq.	8	2 0	169	..	31·93	188	130
Horbury (Highfields)	J. H. Green, Esq.	5	1 0	226	..	32·92	..	..
D Mirfield (Cote Wall)	F P. Mitchell, Esq.	8	1 0	200	..	36·78	195	138
d Wakefield (Northgate)	J. H. Garner, Esq.	8	1 0	174	..	27·75	..	117
D Wakefield (Clarence Park)	C.ClemeshaSmith,Esq.,C.E.	5	1 0	124	25·4	30·36	197	129
D Wakefield (Fieldhead Res.)	C.ClemeshaSmith,Esq.,C.E.	5	1 0	250	..	28·55	179	131
D Normanton (Haw Hill Park)...	The Surveyor, U.D.C.....	8	1 1	136	..	29·46	205	133
D Sowerby Br. (Haugh End) No.4	Mrs. J. S. Rawson	5	0 8	450	41·9	43·42	221	176
D Walsden (Ramsden Reservoir)	Rochdale Corporation	8	1 0	993	..	58·95	237	196
D Cragg (Green Withens Res.) ..	C.ClemeshaSmith,Esq.,C.E.	5	1 0	1205	..	56·26	250	204
D Todmorden (Fielden Hospital)	F. Rogers, Esq.....	5	1 0	650	..	50·57	244	213
D Todmorden (Sourhall Hospital)	F. Rogers, Esq.....	5	1 0	1020	54·1	61·89	240	195
D Halifax (Public Library)	E. Green, Esq.	8	1 0	625	34·7	36·74	231	173
D Batley (Staincliffe Reservoir) ..	W. H. Duckworth,Esq.,C.E.	5	1 0	492	..	28·52	185	139
D Ardsley Reservoir .....No. 1	C.ClemeshaSmith,Esq.,C.E.	5	1 2	395	..	32·00	204	130
D Ardsley Reservoir .....No. 2	C.ClemeshaSmith,Esq.,C.E.	5	1 2	326	..	31·70	204	132
D Ardsley (Jaw Hill Filters)	C.ClemeshaSmith,Esq.,C.E.	5	1 0	315	..	29·32	160	128
D Halifax W.W. (Albert)	E. P. Brook, Esq., C.E. ..	5	1 0	795	36·4	40·41	241	182
D Halifax W.W. (Gibbet)	E. P. Brook, Esq., C.E. ..	5	2 6	568	35·9	38·61	231	175
D Halifax W.W.(Ramsden Wood)	E. P. Brook, Esq., C.E. ..	5	1 0	815	..	44·46	220	189
D Hebden Bridge (Burnside)	Miss M. Hoyle, ...	5	1 0	850	44·2	50·55	240	207
D Halifax W.W.(Castle Carr Lo.)	E. P. Brook, Esq., C.E. ..	5	1 0	1060	41·3	47·82	262	201
w HalifaxW.W.(MidgleyMr.)*New*.	E. P. Brook, Esq., C.E. ..	8	1 0	1350	47·5	47·88	..	..
w Halifax W.W. (Warley Mr.) *New*	E. P. Brook, Esq., C.E. ..	8	1 0	1325	44·9	46·30	..	..
D Halifax W.W. (Ogden)	E. P. Brook, Esq., C.E. ..	5	1 0	990	43·4	46·99	239	186
w HalifaxW.W.(Ovenden Mr.)*New*	E. P. Brook, Esq., C.E. ..	8	1 0	1375	45·7	48·86	..	..
w Halifax W.W. (Gorple)	E. P. Brook, Esq., C.E. ..	8	1 0	1320	..	53·88	..	..
D Halifax W.W. (Widdop)	E. P. Brook, Esq., C.E. ..	5	1 0	1050	47·1	50·79	241	195
D Hal. W.W. (Walshaw Dean Lo.)	E. P. Brook, Esq., C.E. ..	5	1 0	1040	48·8	53·11	239	197
w Halifax W.W. (Walshaw Dean)	E. P. Brook, Esq., C.E. ..	8	1 0	1380	45·9	48·88	..	..
9.—OUSE—Aire. 504 sq. mi.								
D Pontefract (The King's School)	A. Hudson, Esq.....	5	1 0	188	..	29·19	186	118
D Pontefract Sewage Works	W. H. Newton, Esq., C.E..	5	1 0	..	..	28·82	185	119
D Pontefract (Roall W.W.)	W. H. Newton, Esq., C.E..	8	1 0	42	..	28·36	194	133
Bradford (Grange Rd., Horton)	Mr. A. E. Chilton	5	3 0	450	35·0	36·29	222	159
Bradford (Brayshaw Reservoir)	L. Mitchell, Esq., C.E. ...	5	1 0	982	37·1	39·33	..	..
Bradford (Lister Park)	H. Lander, Esq.	8	1 0	439	31·4	38·65	218	166

DIVISION IX.—YORKSHIRE—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
	WEST RIDING—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	9.—OUSE—Aire—(*con.*).								
D	Bradford (Thornton Moor Filters)	L. Mitchell, Esq., C.E. ...	5	1 0	1190	43·9	43·41	249	201
D	Bradford (Stubden Res.) No. 8.	L. Mitchell, Esq., C.E. ...	5	1 0	1071	44·9	51·88	238	187
M	Bradford (Nan Scar, Oxenhope)	L. Mitchell, Esq., C.E....	5	1 0	1101	46·9	53·21	..	..
M	Bradford (Stairs Top, Oxenh'pe)	L. Mitchell, Esq., C.E. ...	5	1 0	1360	47·9	59·85	..	..
D	Bradford (Leeming Reservoir)	L. Mitchell, Esq., C.E. ...	5	1 0	850	40·6	48·55	237	194
M	Bradford (Doe Park Reservoir)	L. Mitchell, Esq., C.E. ...	5	1 0	760	40·7	44·80	..	..
M	Bradford (Leeshaw Res.)	L. Mitchell, Esq., C.E. ...	5	1 0	875	48·2	52·53	..	..
D	Bradford (Chellow Dean Res.)	L. Mitchell, Esq., C.E. ...	5	1 0	645	35·6	39·50	225	170
D	Bradford (Chellow Heights Res.)	L. Mitchell, Esq., C.E. ...	5	1 0	848	36·6	38·50	246	173
	Bradford (Hewenden Res.)	L. Mitchell, Esq., C.E. ...	5	1 0	170	38·6	41·91	..	..
	Bradford (Heaton Reservoir)	L. Mitchell, Esq., C.E. ...	5	1 0	531	32·1	38·05	..	..
	Leeds (Wortley Reservoir)	H. Shortreed, Esq., C.E. ..	8	0 9	307	29·3	31·89	185	141
	Leeds (Knostrop)	H. Shortreed, Esq., C.E. ..	8	0 9	72	..	26·24	171	121
	Leeds (Great George Street)	H. Shortreed, Esq., C.E. ..	5	0 9	180	..	32·42	193	148
d	Leeds (Kingfisher)	Greevz Fysher, Esq.	5	14 0	247	..	34·36	193	135
	Leeds (Woodhouse Moor)	H. Shortreed, Esq., C.E. ..	8	0 9	307	26·7	36·06 ?	217	144
D	Seacroft (Leeds City Hospital)	Dr. A. E. Pearson	8	1 0	236	..	36·46	204	146
	Leeds (Weetwood Res.)	H. Shortreed, Esq., C.E. ..	8	0 9	328	..	33·53	216	150
d	Leeds (Weetwood Garth)	Mrs. F. Gott, J.P.	5	0 8	300	..	34·51	..	148
	Leeds (Weetwood)	F. J. Kitson, Esq.	5	2 0	250	..	36·10	..	..
d	Leeds (Harrogate Road)	Greevz Fysher, Esq.	5	1 0	400	..	36·83	211	139
	Leeds (Allerton Hill)	T. Harding Churton, Esq....	5	0 8	418	27·5	34·87	..	..
D	Shipley (Glenholme)	M. E. Burton, Esq.	5	0 9	370	..	38·09	228	172
D	Haworth (Harbour Lodge)	M. R. Barnett, Esq., C.E. .	8	1 0	1187	52·7	54·34	222	196
D	Haworth (Lower Laithe Res.) (+A)	M. R. Barnett, Esq., C.E.	6	0 10	772	..	51·93	245	187
D	Oakworth (Oldfield Filters)	M. R. Barnett, Esq., C.E. .	5	1 0	1008	..	51·76	225	197
D	Bingley (Sewage Works)	G .C. Smith, Esq.	5	1 1	227	..	37·40	220	166
D	Rawdon	Rawdon U.D.C.	5	1 0	579	..	34·67	208	156
D	Bingley (Gilstead Filters)	L. Mitchell, Esq., C.E. ...	5	1 0	572	29·3	37·55	222	168
D	Adel (Lawns Wood Cemetery)	L. Hodgson, Esq.	5	1 0	475	..	49·61 ?	282	235
D	Keighley (The Knowle)	P. Clough, Esq.	5	1 0	390	..	42·67	253	185
D	Keighley (Victoria Park)	Mr. R. Rutterfield	5	1 0	304	..	39·06	218	173
D	Bingley (East Morton)	J. Rhodes, Esq.	5	2 0	530	..	36·23	228	180
	Bingley (Sunnydale Reservoir)	L. Mitchell, Esq., C.E. ...	5	1 0	825	33·8	36·11	..	..
D	Salterforth (Barnoldswick W.W.)	J. W. Thompson, Esq.	8	1 4	832	..	54·83	227	195
D	Earby (Sewage Works) .. (+A)	H. Pritchard, Esq.	5	1 0	425	..	45·27	216	170
M	Silsden (Gill Grange)	L. Mitchell, Esq., C.E. ...	5	1 0	883	31·6	38·65	..	..
D	Silsden Reservoir	L. Mitchell, Esq., C.E. ...	5	1 0	560	31·0	41·94	226	182
M	Silsden (Cringles Res. Site)	L. Mitchell, Esq., C.E.	5	1 0	715	32·3	41·89	..	..
D	Elslack (Stories Farm)	J. P. Thompson, Esq. ...	5	0 7	675	..	42·35	212	170
	Carleton (Beech Hill)	W. Cyril Empson, Esq. ..	8	5 3	425	..	44·64	..	..
D	Skipton (Town Hall) (+A)	A. E. W. Aldridge, Esq. ..	6	1 6	367	..	37·70	193	159
	Gargrave (Banks Hill Bank Nwtn)	Leeds & Liv'pool Canal Co.	8	1 0	545	..	(42·13)	..	..
	Gargrave (Ray Bridge Hill)	Leeds & Liv'rpool Canal Co	8	0 10	459	..	42·72	..	..
D	Rylstone Rectory	Rev. C. H. Lowe	6	0 7	700	..	49·80	229	179
	Winterburn (Long Hill)	Leeds & Liv'pool Canal Co.	8	0 9	705	..	50·28	..	..
	Winterburn (Brown Hill)	Leeds & Liv'pool Canal Co.	8	1 0	961	..	55·95	..	..
D	Malham Tarn	Mr. John Winskill	5	1 0	1296	57·5	69·17	204	195
	10.—OUSE—Wharfe. 408 sq. mi.								
D	Aberford (Lotherton Hall)	Col. Gascoigne, D.S.O. ..	5	0 9	208	..	31·78	192	138
d	Bolton Percy (Nun-Appleton Hall)	Ben Dawson, Esq.	5	1 4	25	..	32·91	..	130
D	Appleton Roebuck School	W. Clayton, Esq.	5	1 6	23	..	34·38	209	153
	Adel (Eccup, East)	H. Shortreed, Esq., C.E. ..	8	0 9	375	..	40·13	232	160
	Harewood (Arthington)	H. Shortreed, Esq., C.E. ..	8	0 9	139	..	36·44	219	160

DIVISION IX.—YORKSHIRE—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with .01 in. or more.	Days with .04 in. or more.
WEST RIDING—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
10.—OUSE—Wharfe.—(*con.*).								
D Harewood House	Countess of Harewood	5	0 10	300	..	40·11	171	148
D Otley (Sewage Works)	C. F. Hodgson, Esq., C.E.	5	1 0	172	..	33·35	183	150
D Ilkley (Silverwell Cottage)	Surveyor, U.D.C.	5	1 0	900	..	46·34	233	193
D Ilkley (Spence's Garden)	Surveyor, U.D.C.	5	1 0	314	..	42·39	221	175
d Ilkley (Ben Rhydding)	T. More, Esq.	5	1 0	316	..	(39·28)	(221)	(165)
Leathley (Lindley Wood, S.)	H. Shortreed, Esq., C.E.	8	0 9	312	..	37·40	211	163
D Ilkley (March Gill Reservoir)	C. F. Hodgson, Esq., C.E.	5	1 0	655	..	41·08	263	171
D York (Chalfonts)	Arnold S. Rowntree, Esq.	5	0 9	50	..	32·42	187	141
d York (Cherry Hill)	Messrs. H. Richardson & Co.	5	1 6	50	24·2	29·62	..	..
D York (Acomb Landing)	W. H. Humphreys, Esq	5	1 0	40	..	28·16	177	140
M Skipton (Counter Hill)	L. Mitchell, Esq., C.E.	5	1 0	951	31·3	39·16	..	..
M Skipton (Chelker Reservoir)	L. Mitchell, Esq., C.E.	5	1 0	730	32·9	41·68	..	..
Fewston (Timble Ings)	H. Shortreed, Esq., C.E.	8	0 9	912	..	43·70	237	176
Fewston (Swinsty, East)	H. Shortreed, Esq., C.E.	8	0 9	460	..	40·04	205	155
Fewston, North	H. Shortreed, Esq., C.E.	8	0 9	525	..	39·95	237	167
Fewston (Blubberhouses)	H. Shortreed, Esq., C.E.	8	0 9	575	..	41·83	221	174
D Bolton Abbey Estate Office	A. Downs, Esq.	5	1 2	368	..	42·50	228	183
D Barden Reservoir	L. Mitchell, Esq., C.E.	5	1 0	746	42·9	52·69	240	184
M Upper Barden Reservoir	L. Mitchell, Esq., C.E.	5	1 0	1170	40·6	50·41	..	..
Thruscross (Lane Head)	H. Shortreed, Esq., C.E.	8	0 9	950	..	41·54	226	170
M Burnsall (Thorpe Fell)	L. Mitchell, Esq., C.E.	5	1 0	1661	39·4	50·96	..	..
M Burnsall (Sandbed Beck)	L. Mitchell, Esq., C.E.	5	1 0	676	42·2	53·65	..	..
D Burnsall Rectory	Rev. Canon W. J. Stavert	8	4 6	504	..	51·28	219	177
D Grimwith Reservoir	L. Mitchell, Esq., C.E.	5	1 0	893	44·9	53·45	236	193
M Grimwith (Trunla Hill)	L. Mitchell, Esq., C.E.	5	1 0	1201	38·8	60·54	..	..
D Buckden	G. E. Clayton, Esq.	5	3 0	800	..	66·35	204	182
D Oughtershaw Hall	Miss Woodd	5	1 6	1175	..	80·21	226	202
11.—OUSE—Nidd. 254 sq. mi.								
D Wetherby (Stockeld Park)	G. R. Foster, Esq.	5	1 2	200	..	30·90	168	137
Spofforth (Sewage Works)	C. E. Rivers, Esq., C.E.	5	1 0	198	..	33·26	201	148
D Wetherby (Ribston Hall)	Mr. W. Simpson	5	1 2	130	26·5	31·29	169	139
M Harrogate W.W. (Ling Cottage)	A. S. West, Esq., C.E.	5	1 0	740	..	38·48	..	..
M Harrogate W.W. (Broad Dubb)	A. S. West, Esq., C.E.	5	1 0	725	..	39·29	..	..
M Harrogate W.W. (Cobblers Cott.)	A. S. West, Esq., C.E.	5	1 0	730	..	38·53	..	..
Harrogate W.W. (Ten Acres Res.)	A. S. West, Esq., C.E.	8	1 6	620	..	39·77	219	154
D Harrogate W.W. (Scargill Res.)	A. S. West, Esq., C.E.	8	1 0	646	..	40·07	219	161
Harrogate W.W. (Beaver Dyke R)	A. S. West, Esq., C.E.	8	0 11	575	..	38·34	221	165
M Harrogate W.W. (John o'Gaunts)	A. S. West, Esq., C.E.	5	1 0	600	..	40·41	..	..
M Harrogate W.W. (Knab's Moor)	A. S. West, Esq., C.E.	5	1 0	700	..	36·88	..	..
D Harrogate (Harlow Moor Obsy.)	C. E. Rivers, Esq., C.E.	5	1 0	478	30·6	36·10	192	146
D Harrogate (Harlow Hill Res.)	A. S. West, Esq., C.E.	8	1 0	589	..	37·17	194	161
D Harrogate (Irongate Bridge Res.)	A. S. West, Esq., C.E.	8	1 6	455	..	41·71	192	168
D Knaresborough (Goldsbro Hall Gdns)	R. Wilson, Esq.	5	1 0	112	..	32·53	201	145
D Knaresborough (The Abbey)	Rev. Canon J. T. Hartley	5	1 0	140	..	33·23	208	152
Knaresborough (Water Tower)	A. S. West, Esq., C.E.	8	1 0	240	..	36·83	173	142
Harrogate (Bilton Sewage Works)	C. E. Rivers, Esq., C.E.	5	1 0	208	..	36·42	192	157
D Birstwith Hall	F. A. Aykroyd, Esq.	5	1 0	375	..	47·49 ?	195	176
D Birstwith (Swarcliffe)	Capt. C. S. Greenwood	5	1 0	510	..	39·80	192	160
Ramsgill (Holme Ho. Gouthwaite)	L. Mitchell, Esq., C.E.	5	1 0	464	..	49·63	..	..
D Ramsgill (Raygill House)	L. Mitchell, Esq., C.E.	5	1 0	925	48·0	54·83	209	186
D Ramsgill	L. Mitchell, Esq., C.E.	5	1 0	450	39·4	53·07	190	169
M Nidderdale (East Gill Head)	L. Mitchell, Esq., C.E.	5	1 0	1710	58·6	78·02	..	..
M Nidderdale (Rain Stang)	L. Mitchell, Esq., C.E.	5	1 0	1470	48·6	65·99	..	..
D Nidderdale (New Houses)	L. Mitchell, Esq., C.E.	5	1 0	755	45·3	58·53	184	166
d Nidderdale (West Houses)	L. Mitchell, Esq., C.E.	5	1 0	1165	53·1	65·10	..	194

DIVISION IX.—YORKSHIRE—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
	WEST RIDING—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	12.—OUSE—Ure. 110 sq. mi.								
	Dallow Moor	H. Shortreed, Esq., C.E.	8	0 9	858	..	43·45	170	158
D	Ripon (Studley Royal Gardens)	F. M. Sutherland, Esq.	5	1 6	325	..	37·46	181	149
D	Ripon (The Red House)	F. D. Wise, Esq., C.E.	5	1 0	120	..	35·07	196	155
	Kirby Malzeard (Drovers' Inn)	H. Shortreed, Esq., C.E.	8	0 9	576	..	46·69	225	172
	Kirby Malzeard (Hawsett)	H. Shortreed, Esq., C.E.	8	0 9	820	..	48·47	221	177
w	Kirby Malzeard (Hambledon H.)	H. Shortreed, Esq., C.E.	8	0 9	1100	..	48·32	..	..
	Kirby Malzeard (Bagwith Brae)	H. Shortreed, Esq., C.E.	5	0 9	703	..	43·13	248	162
w	Kirby M. (Stone & Ears Wham)	H. Shortreed, Esq., C.E.	8	0 9	1118	..	44·77	..	..
	EAST RIDING. (Area, 1176 sq. mi.).								
	1.—OUSE—Left Bank Tributaries. 82 sq. mi.								
D	Osgodby (Fruit Testing Stn.)	J. W. Eves, Esq.	5	1 0	30	..	28·72	187	137
D	York (Heslington)	Hn. L. de Yarburgh-Bateson	8	0 9	35	..	31·19	219	145
D	York (Dunnington Hall)	Miss Hildyard	8	1 2	110	..	31·19	242	159
	2.—OUSE—Derwent. 248 sq. mi.								
d	Elvington (Woodhouse Grange)	A. T. Coulson, Esq.	5	1 0	39	..	26·45	..	..
D	Burythorpe Rectory	Rev. William Robinson	5	1 0	240	..	35·44	240	176
D	Birdsall Gardens	Mr. J. Anderson	5	1 2	303	..	36·12	195	155
D	Rillington (Scampston Hall)	W. H. St. Quintin, Esq.	5	1 6	102	..	35·47	227	165
D	Ganton (Ganton Hall)	Harold Wrigley, Esq.	5	2 0	250	..	32·50	217	151
	Hunmanby (Holly Bank)	Miss Ackland	5	1 0	225	..	27·66	..	..
	3.—HUMBER—Left Bank Tributaries. 675 sq. mi.								
D	Spurn Head *New g.*	The Meteorological Office.	8	1 0	29	24·0	28·45	177	124
D	Patrington (Rose Cottage)	The Meteorological Office.	5	1 3	46	23·3	29·69	171	138
D	Hull (Pearson Park)	H. B. Witty, Esq.	5	0 10	8	25·4	29·87	223	139
D	Hull (Springhead)	W. D. Bingham, Esq.	5	1 0	16	..	28·65	219	137
D	Cottingham (Waterworks)	W. D. Bingham, Esq.	5	1 0	26	..	27·79	173	126
	North Cave (The Croft)	Major W. H. Carver	8	1 6	35	..	28·04	..	..
D	Holme-on-Spalding Moor	C. J. Pybus, Esq.	8	1 0	30	..	26·94	204	146
D	Beverley (E. Riding Mental Hosp.)	Medical Superintendent	5	1 0	175	..	31·70	192	141
	Beverley (New Walk)	W. Evans, Esq., C.E.	5	3 0	38	..	30·87	224	..
	Beverley (Hull Bridge)	W. Evans, Esq., C.E.	5	2 6	11	..	28·09	210	149
D	Market Weighton (Dalton Holme)	Mr. J. P. Jobling	8	6 0	120	..	33·66	208	155
	Brandesburton (Hempholm Lk.)	W. Evans, Esq., C.E.	5	1 0	11	25·2	30·41	190	141
D	Driffield (Council School)	A. Y. Jordan, Esq.	5	0 6	69	..	32·13	220	162
D	Lowthorpe (The Elms)	F. K Hawes, Esq.	5	1 0	63	26·5	32·36	203	148
	4.—EAST COAST STREAMS. 171 sq. mi.								
D	Bridlington (Corpn. Nurseries)	S. R. Crofts, Esq.	5	1 0	60	..	31·48	223	152
D	Bridlington (Grammar School)	G. T. Reeve, Esq.	8	1 0	76	..	30·88	184	144
D	Ganton (Willerby Wold)	Major W. F. Wormald	5	0 9	565	..	32·62	210	137
D	Filey Vicarage	Rev. Canon A. N. Cooper	8	1 0	96	..	29·05	220	153
	NORTH RIDING. (Area, 2155 sq. mi.)								
	1.—OUSE—Ure. 273 sq. mi.								
D	Tanfield Rectory	Mr. H. H. Milman	5	1 0	150	..	37·46	202	156
D	Masham Moor (Roundhill Res.)	A. S. West, Esq., C.E.	8	1 0	743	..	58·31	264	196
	Masham Moor (Somerside)	H. Shortreed, Esq., C.E.	5	0 9	928	..	53·68	212	193
	Masham Moor (Leighton Res.)	H. Shortreed, Esq., C.E.	5	0 9	634	..	45·54	224	178
	Masham Moor (Towler Hill)	H. Shortreed, Esq., C.E.	8	0 9	820	..	47·62	233	175
	Masham Moor (Breary Bank)	H. Shortreed, Esq., C.E.	5	0 9	600	..	49·14	231	180
	Masham Moor (Healey Pasture)	H. Shortreed, Esq., C.E.	5	0 9	620	..	48·72	234	178
	Masham Moor (Low Houses)	H. Shortreed, Esq., C.E.	5	0 9	693	..	50·24	253	191

DIVISION IX.—YORKSHIRE—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with .01 in. or more.	Days with .04 in. or more.
	NORTH RIDING—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—OUSE—Ure—(*con.*).								
D	Clifton Castle Gardens	Lady Cowell	5	1 0	360	..	37·18	200	152
	Middleham (Cotescue)	A. Rowntree, Esq.	5	1 0	600	..	39·88	200	155
D	Middleham (Castle Hill)	Col. P. H. Hammond, C.B.	5	1 0	470	..	39·59	201	158
D	West Witton (Ivy House)	J. B. Espiner, Esq.	5	1 0	605	..	43·11	224	168
	Leyburn (Spennithorne)	F. M. Curtis, Esq.	5	1 0	416	..	37·17	..	..
D	Leyburn (Bolton Hall)	Mr. F. Scrivener	8	1 0	420	32·6	43·72	216	161
D	Askrigg (Worton)	Rev. W. M. Atkinson	5	1 0	700	..	46·77	232	167
D	Hawes (The Stone House)	H. Arden Crallan, Esq.	5	1 6	845	..	57·81	193	173
	2.—OUSE—Swale. 569 sq. mi.								
D	Dalton Parsonage	Rev. G. H. Chilman	5	1 0	79	..	32·15	195	148
d	Baldersby Vicarage	Rev. T. W. Foulkes, M.A.	5	1 2	80	..	35·25	..	150
d	Carlton Husthwaite	W. R. Bagley, Esq.	5	1 0	190	..	(33·19)	..	..
D	Coxwold (The Old Hall)	H. Geipel, Esq.	4	1 6	260	..	37·23	165	151
	Burniston (Camp Hill) (R)	Capt. F. H. Reynard	8	3 6	152	..	28·34	..	..
d	Thirsk (Spital Hill)	Mrs. R. E. Gill	5	1 0	191	..	(33·02)	..	..
D	Thirsk (Sowerby)	Mrs. M. Brown	5	1 0	110	..	33·27	183	157
D	Thirsk (Brynkellhow)	A. B. Hall, Esq.	8	1 0	115	..	32·26	207	149
D	Thirsk (Stoneybrough)	T. J. Foggitt, Esq.	5	1 2	122	..	36·11	209	154
M	Felixkirk (Thirlby)	A. J. Walker, Esq.	5	1 0	339	..	36·22	..	..
D	Felixkirk (Mount St. John) (+A)	A. J. Walker, Esq.	5	1 0	523	..	35·30	226	159
D	Felixkirk (Mount St. John)	A. J. Walker, Esq.	5	1 10	542	26·5	36·07	226	159
D	Felixkirk (Mount St. John)	A. J. Walker, Esq.	5	1 0	541	..	35·94	225	158
D	Boltby (Ravensthorpe Manor)	F. E. Walker, Esq.	5	1 7	661	..	38·46	204	159
M	Boltby, East	A. J. Walker, Esq.	5	1 0	460	..	40·11	..	..
M	Boltby (High Paradise)	A. J. Walker, Esq.	5	1 3	1144	..	45·48	..	..
D	Bedale (The Hermitage)	C. Clarke, Esq., F.S.I.	5	0 10	465	..	32·29	177	152
D	Maunby Hall	Major A. Hill-Walker, V.C.	5	1 0	90	..	31·82	178	157
D	Bedale (Park House)	Miss M. Greenwood	5	1 1	180	..	32·30	172	147
	Scruton Hall	Rev. A. T. Coore	5	1 0	110	..	31·32	188	148
M	Swaledale (Gunnerside Lodge)	W. M. Christy, Esq.	5	1 0	900	..	57·51	..	..
D	Northallerton (Brompton)	J. P. Yeoman, Esq.	5	3 0	165	..	33·33	237	157
	Osmotherly (Oakdale W.W.)	The Surveyor, U.D.C.	5	1 0	600	..	39·39	..	..
d	East Harlsey (Harlsey Hall)	Mrs. Constantine	5	1 0	370	..	32·88	..	126
d	Richmond (C.E. School)	R. Hornby, Esq.	5	1 0	360	..	38·03	..	..
D	Reeth (Arkengarthdale)	Samuel Gott, Esq.	5	1 0	940	..	49·63	195	168
D	Rounton Grange	Sir Hugh Bell, Bt.	8	1 0	249	25·6	33·39	213	156
W	Middleton Tyas	J. F. B. Baker, Esq.	5	0 10	380	..	32·64	..	..
	3.—OUSE—Left Bank Tributaries. 153 sq. mi.								
D	York (Museum Gardens)	W. Watson, Esq.	5	1 4	56	24·3	28·68	197	136
d	Stockton-on-Forest (Stockton Hall)	Mrs. Lloyd	5	1 3	30	..	28·03	..	..
D	Crayke Rectory	Rev. T. Catton	5	1 0	201	..	31·00	187	140
	4.—OUSE—Derwent. 509 sq. mi								
D	Welburn	John D. Atkin, Esq.	5	1 0	300	..	33·87	176	144
D	Malton (Broughton Rise)	C. C. Laverack, Esq.	5	1 0	164	..	32·67	208	155
D	Hovingham Hall	Sir W. H. A. Worsley, Bt.	5	0 9	119	..	37·26	195	166
D	Ampleforth College	The Procurator	6	1 0	350	..	34·74	210	156
D	Helmsley (Boys' School)	E. W. Williams, Esq.	5	1 0	225	..	41·45	190	163
D	Pickering (Hungate Hall)	Dr. J. L. Kirk	5	1 0	90	..	35·20	210	152
D	Seamer (Irton Pump. Station)	H. Richardson, Esq., C.E.	8	1 0	94	..	32·53	210	147
D	Scarborough (Osgodby)	H. Richardson, Esq., C.E.	8	1 0	166	26·1	31·51	199	168
D	East Ayton (Derwent House)	A. H. Robinson, Esq.	5	1 0	110	..	34·67	210	160
d	Kirkby Moorside (Ravenswyke)	Harrison Holt, Esq.	5	1 0	220	..	35·13	..	148
D	Thornton Dale (High Dalby Ho.)	J. A. Coulson, Esq.	5	1 0	325	..	34·52	197	152
	5.—ESK & C. 278 sq. mi.								
D	Scarborough	Medical Officer of Health.	5	1 1	118	25·8	30·24	214	150
D	Scarborough (Scalby)	Capt. W. H. L. Wordsworth	5	1 0	210	..	34·89	218	149
D	Scarborough (Scalby St. Philips)	Rev. W. E. Stewart	5	1 0	130	..	31·51	209	141
M	Goathland (Thwaitefield)	L. G. Rowland, Esq.	5	0 6	485	..	35·77	..	..

DIVISION IX.—YORKSHIRE—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
	NORTH RIDING—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	5.—ESK & C.—(*con.*).								
d	Egton Bridge (Bridgeholme)	Lt.-Col. R. Astley Smith	5	0 4	100	..	41·70	182	142
D	Glaisdale (The Gables Gardens)	Mr. H. Hope	5	0 9	400	..	43·11	193	162
d	Sleights (The Hall)	P. M. Horsfall, Esq.	5	1 6	220	..	35·34	..	130
D	Danby (The School House)	J. W. Lynas, Esq.	5	1 0	500	..	42 81	200	175
D	Castleton	Miss M. H. Punch	5	1 0	425	..	43 46	229	168
D	Danby Lodge	Mr. C. Hardy	5	3 0	500	..	42·12	179	169
D	Whitby (Park Hall, Aislaby)	Rev. J. H. Richardson	5	1 0	500	..	34·58	217	156
D	Whitby (Mulgrave Castle)	Mr. J. Corbett	5	1 0	410	..	32·75	222	153
D	Guisborough (Lockwood Res.)	Cleveland Water Co.	8	1 0	632	33·0	42·67	241	171
D	Saltburn (Skelton Castle)	Col. W. H. A. Wharton	5	0 9	272	..	39·04	218	177
	6.—TEES. 373 sq. mi.								
D	Ingleby Manor	Lord DeL'Isle & Dudley	5	1 0	460	..	38·43	220	164
D	Ingleby Greenhow Vicarage	Rev. M. A. Horsfall	6	1 6	420	..	38·42	204	167
D	Kildale Hall	Major R. B. Turton	5	1 2	600	..	43·84	226	184
D	Crathorne Hall Gardens	J. L. Dugdale, Esq.	5	1 0	100	..	32·70	225	147
D	Barningham Park	Sir F. Milbank, Bart.	8	1 0	700	..	38·45	214	142
D	Nunthorpe (The Box)	G. D. Cochrane, Esq.	5	1 0	287	..	34·86	220	159
D	Marton-in-Cleveland (Southcroit)	R. Theodore Wilson, Esq.	5	0 11	100	..	30·45	176	147
D	Middlesbrough (Albert Park)	R. Sutcliffe, Esq.	8	1 0	30	23·7	29·27	188	145
D	Middlesbrough (Dorman Mus.)	The Curator	5	..	30	..	29·03	156	126
M	Baldersdale (Aygill)	G. R. Collinson, Esq., C.E.	5	1 0	1250	..	58·70	..	..
M	Baldersdale (Blackton Res.)	G. R. Collinson, Esq., C.E	5	1 0	937	..	50·70	..	..
M	Baldersdale (Balderhead)	G. R. Collinson, Esq., C.E.	5	1 0	1360	..	61·30	..	..
D	Baldersdale (Hury Reservoir)	G. R. Collinson, Esq., C.E.	5	1 0	866	..	40·45	234	166
M	Lunedale (Dow Crag)	G. R. Collinson, Esq., C.E.	5	1 0	1720	..	69·10	..	..
M	Lunedale (Lunehead)	G. R. Collinson, Esq., C.E.	5	1 0	1450	..	66·60	..	..
M	Lunedale (Selset)	G. R. Collinson, Esq., C.E.	5	1 0	924	..	51·00	..	..
D	Lunedale (Grassholme Res.)	G. R. Collinson, Esq., C.E.	5	1 0	936	..	47·23	222	173
M	Lunedale (Keekham)	G. R. Collinson, Esq., C.E.	5	1 0	1660	..	77·60	..	..
M	Lunedale (Hargill)	G. R. Collinson, Esq., C.E.	5	1 0	1320	..	64·50	..	..

DIVISION X.—NORTHERN COUNTIES.

DURHAM. (Area, 1011 sq. mi.)

	1.—TEES & C. 396 sq. mi.								
D	Darlington (South Park)	J. Morrison, Esq.	5	1 5	150	..	31·76	250	170
D	Darlington (Stanhope Road)	Rev. A. W. M. Close	5	0 8	180	..	30·86	193	158
D	Darlington (Hummersknott)	Mr. John Short	5	1 0	200	..	28·63	177	144
d	Egglescliffe	A. B. Hutton Wilson, Esq.	8	1 2	100	..	(30·11)	..	..
D	Barnard Castle (Bowes Museum)	S. E. Harrison, Esq.	6	1 0	500	..	37·89	219	144
D	Barnard Castle (County School)	C. W. Watson, Esq.	5	1 6	540	29·7	36·34	215	143
D	Stockton-on-Tees (Hartburn Lo.)	C. Nielson, Esq.	5	0 10	45	..	29·28	204	137
D	Stockton-on-Tees (Ropner Park)	W. A. Jenkins, Esq.	5	1 9	61	..	28·37	187	131
D	Stockton-on-Tees (Billingham)	S. Ammonia & Nitrates, Ld.	5	1 0	55	..	30·36	199	136
D	Middleton-in-Teesdale (Newbiggin)	R. Coggins, Esq.	5	1 2	1000	..	53·02	217	177
D	Ferryhill (Winterton)	Medical Superintendent	5	4 3	360	..	32·28	165	145
D	Hurworth Burn (Crookfoot Res.)	J. R. Bradshaw, Esq.	10	1 6	293	..	29·23	210	142
d	West Hartlepool (Waterworks)	J. R. Bradshaw, Esq.	10	1 0	35	..	30·30	..	..
D	Hurworth Burn Reservoir	J. R. Bradshaw, Esq.	10	1 0	357	..	28·58	212	141
D	Hartlepool (Hart Reservoir)	J. R. Bradshaw, Esq.	10	1 0	172	..	26·03	178	129
D	Seaham (Dalton Pumping Sta.)	A.B.E. Blackburn, Esq., C.E.	8	1 0	345	..	33·33	215	151
	2.—WEAR—464 sq. mi.								
d	Stanhope (Parson Byers Qy.)	Messrs. Dorman, Long & Co., Ltd.	5	6 8	846	..	41·62	..	123
M	Burnhope (Grass Meres)	H. Robinson, Esq., C.E.	5	1 3	1850	..	63·45	..	..
M	Burnhope (Lodgegill Mine)	H. Robinson, Esq., C.E.	5	1 3	1950	..	71·35	..	..
D	Burnhope Bridge	H. Robinson, Esq., C.E.	5	1 0	1200	..	59·16	239	194
M	Cowshill (Wellheads Hush)	H. Robinson, Esq., C.E.	5	1 6	1690	..	62·70	..	..
	Durham (Houghall Hort. Sta.)	W. S. Sharp, Esq.	5	0 11	160	..	33·17	216	149
D	Durham Observatory	F. Sargent, Esq.	8	0 10	336	24·6	29·02	190	123
D	Ushaw (St. Cuthbert's College)	Rev. J. R. Adamson	5	1 0	594	28·2	31·19	179	130
D	Weardale W.W. (Tunstall Res.)	H. Robinson, Esq., C.E.	8	1 2	724	..	40·56	208	163
M	Weardale W.W. (Waskerley 6)	H. Robinson, Esq., C.E.	8	4 2	1229	..	37·36	..	..

DIVISION X.—NORTHERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
	DURHAM—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—WEAR—(*con.*).								
M	Weardale W.W. (Waskerley 3)	H. Robinson, Esq., C.E. ..	8	4 6	1433	..	38·97	..	..
D	Weardale W.W. (Waskerley)	H. Robinson, Esq., C.E. ..	8	0 11	1179	..	40·80	219	158
M	Weardale W.W. (Waskerley 1)	H. Robinson, Esq., C.E. ..	8	4 4	1317	..	37·50	..	..
D	Chester-le-Street(BiddickHall 1)	Mr. J. Fletcher	5	1 0	150	..	33·17	248	152
D	Ryhope Pumping Station	A.B.E.Blackburn,Esq.,C.E.	8	1 1	228	..	32·86	199	141
D	Sunderland(W.HendonH.)No.5.	Mrs. W. A. Mounsey.....	5	1 0	130	25·6	34·07	201	142
d	Sunderland (Mowbray Park) (+A)	A. Stuart-Hebblethwaite, Esq., M.D.	5	1 0	105	..	30·76	..	..
D	Sunderland (Cedars End).....	late W. F. Vint, Esq.	5	1 0	115	..	31·91	187	123
D	Southwick Cemetery	J. Burdis, Esq.	8	[1 0	171	..	36·00	187	143
	3.—TYNE, LOWER. 151 sq. mi.								
D	Weardale W.W. (Smiddy Shaw)	H. Robinson, Esq., C.E. ..	8	1 3	1128	..	42·77	230	167
d	Consett (Crookhall).....	H. Shackleton, Esq.	5	1 0	642	..	34·68	..	131
D	Rowlands Gill (Chopwellwood)	Capt. A. D. Hopkinson ...	8	1 0	446	..	35·84	218	151
D	Sunderland (CleadonPump.Stn.)	A.B.E.Blackburn,Esq.,C.E.	8	1 0	216	..	32·49	194	128
D	Ryton-on-Tyne(Balgonie House)	J. W. Smith, Esq., M.D...	5	1 2	258	..	35·85	180	147
D	South Shields (Bent's Park) ...	Dr. W. Campbell Lyons...	5	1 0	36	..	34·64	223	137
D	South Shields (South Pier Wks.)	F. Calvard, Esq.	5	2 0	17	..	33·10	195	138
	NORTHUMBERLAND. (Area, 2015 sq. mi.)								
	1.—EDEN. 20 sq. mi.								
	2. SOUTH TYNE. 232 sq. mi.								
d	Allenheads	J. W. Metcalfe, Esq.....	8	1 0	1350	..	53·40	..	..
	3.—TYNE, LOWER. 227 sq. mi.								
D	Corbridge (Howden Dene)	T. D. Straker-Smith, Esq. .	5	1 0	200	..	33·44	203	143
D	Newcastle (Leazes Park)	W. J. Steele, Esq.	5	1 0	255	..	34·75	188	145
D	Newcastle Deaf & Dumb Inst.	* The Superintendent	5	1 4	201	27·2	33·03	186	144
D	Newcastle (Wellburn, Jesmond)	J. H. Holmes, Esq., C.E. ..	5	1 3	163	..	33·54	196	140
d	Hexham (Beaufront Castle) ...	The Lady Rayleigh.....	8	1 0	450	..	35·78	..	129
d	Wallsend (Carville School).....	G. R. Pattison, Esq.	5	1 3	100	..	33·37	..	..
D	Tynemouth (Tyne Pier Works)	R. F. Hindmarsh,Esq.,C.E.	5	1 8	65	..	31·27	186	142
D	Tynemouth (C.G. Sta.) *New g.*	The Meteorological Office..	8	1 0	67	..	33·94	213	139
D	WhittleDeneFilters(N'stleW.W)	A. Hardcastle, Esq., C.E...	5	1 1	353	27·5	32·25	215	144
D	Whittle Dene Res. (Newc.W.W.)	A. Hardcastle, Esq., C.E...	5	0 6	380	26·1	32·94	219	143
	4.—NORTH TYNE. 433 sq. mi.								
	Ryal Cottage(NewcastleW.W.)	A. Hardcastle, Esq., C.E...	10	0 9	463	29·2	34·98	..	..
	Hallington Vill. (N'castleW.W.)	A. Hardcastle, Esq., C.E...	5	1 0	467	30·3	36·48	..	..
D	Hallington Res. (N'castleW.W.)	A. Hardcastle, Esq., C.E...	5	1 0	470	28·6	36·70	216	154
	Hallington(Fawcett)(Newc.W.W)	A Hardcastle, Esq., C.E...	5	1 2	537	28·2	36·63	..	..
	Hallington(Cheviott) (Newc.W.W)	A. Hardcastle, Esq., C.E..	5	1 2	576	27·8	34·91	..	..
	Camphill (Newcastle W.W.) ...	A. Hardcastle, Esq., C.E...	5	1 0	650	30·0	37·66	..	..
D	Colt Crag Res., (N'castle W.W.)	A. Hardcastle, Esq., C.E...	5	1 0	654	28·2	39·28	212	175
	Green Crag (Newcastle W.W.)	A. Hardcastle, Esq., C.E...	5	1 0	900	30·8	41·48	..	..
D	Falstone Rectory	Rev. A. J. Dexter	5	1 0	485	..	42·58	227	168
D	Bellingham (High Green Man.)	Capt.SirC.Morrison-Bell,Bt.	5	1 0	849	..	40·66	230	170
D	Redewater (Catcleugh)	A. Hardcastle, Esq., C.E...	5	1 0	819	40·5	46·86	232	190
	5.—COQUET & C. 840 sq. mi.								
	Whittington (Newcastle W.W.)	A. Hardcastle, Esq., C.E...	8	0 9	528	28·1	35·92	..	..
	Burnside (Newcastle W.W.) ...	A. Hardcastle, Esq., C.E...	5	0 9	419	27·3	34·16	..	..
	Blyth	L. Leeper, Esq., C.E.	8	1 6	20	..	31·75	..	..
D	Morpeth (Ashington)	J. Gray, Esq.	5	8 0	110	..	29·79	212	134

* Formerly called Town Moor.

DIVISION X.—NORTHERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
	NORTHUMBERLAND—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	5.—COQUET & C.—(*con.*).								
D	Morpeth (Cockle Park)	Northumberland County Council	8	1 0	325	28·7	32·04	200	141
D	Font Res. (Tynemouth W. W.)	J. W. McKerrow, Esq.	10	1 2	620	..	38·90	258	170
d	Rothbury (Brinkburn Priory)	Mrs. Hugh Fenwick	8	1 0	257	..	30·53	..	..
d	Acklington (Broomhill Colliery)	A. M. Morison, Esq.	5	7 6	92	..	25·66	..	..
D	Alnmouth (Nether Grange)	Miss E. Pease, J.P., O.B.E.	5	1 6	40	..	28·42	192	138
D	Howick Hall Gardens	Mr. J. Wright	8	0 10	121	28·2	34·56	196	158
	6.—TWEED. 262 sq. mi.								
D	Glanton Pyke Gardens	Col. C. G. Collingwood, C.B.	8	4 2	521	..	37·13	233	179
D	Wooperton	Mrs. Burdon	5	1 0	..	..	36·46	186	156
D	Ilderton (Lilburn Tower)	A. B. Collingwood, Esq.	10	6 0	300	27·9	33·05	193	139
D	Ilderton (Lilburn Tower Grdns.)	Mr. W. Lovett	5	1 0	250	30·4	35·63	194	150
d	Kirknewton (Coldburn)	Mrs. W. Anderson	5	0 11	750	..	(50·68)	..	..
	Wooler (Victoria House)	Miss E. M. Dodds	5	1 0	176	..	33·20	..	150
	Mindrum (Thornington House)	Leonard Briggs, Esq.	5	..	..	..	34·50	..	..
D	Berwick-on-Tweed (Ramparts)	J. H. Huffam, Esq.	5	1 0	76	..	29·90	192	134
	7.—INSULAR. 1 sq. mi.								
	CUMBERLAND. (Area, 1516 sq. mi.)								
	1.—EDEN & SOLWAY. 887 sq. mi.								
	Ullswater (Hallsteads)	Mrs. F. Thomasson	5	2 0	497	..	58·48	193	181
D	Watermillock (Mell Fell House)	Mrs. Spring-Rice	5	1 6	970	..	60·84	217	188
D	Penrith (Hutton John)	F. Hudleston, Esq., C.E.	5	1 0	688	..	53·47	226	178
D	Penrith (Briar Cottage)	H. Lester, Esq.	5	1 0	575	32·8	39·95	207	163
D	Penrith (Laurel Bank)	A. B. Sinclair, Esq.	5	2 4	500	..	43·32	224	163
D	Penrith (Newton Rigg)	Cumberland County Council	8	1 0	560	36·4	42·02	232	163
D	Uldale (Chapel House Res.)	J. Strong, Esq.	8	1 0	620	..	53·37	216	188
D	Penrith (Nunwick Hall)	R. Heywood Thompson, Esq.	5	1 0	268	..	42·11	207	169
D	Penrith (Ennim)	Lt.Col.H.L.Riley,DSO,OBE	5	1 0	660	..	48·91	197	160
D	Mealsgate (Quarry Hill)	J. R. Watters, Esq.	8	1 0	479	..	46·03	238	175
D	Renwick (Ravenwood)	W. Salkeld, Esq.	5	4 0	750	..	53·35	246	205
D	Ainstable (Heather Glen)	A. Guthrie-Smith, Esq.	5	1 6	500	..	44·36	221	164
D	Wigton (Brookfield)	David W. Reed, Esq.	5	5 0	124	..	39·88	192	163
D	Wreay Vicarage	Rev. Canon A. R. Hall	5	2 0	310	31·8	39·86	223	173
D	Geltsdale	P. Dalton, Esq.	5	1 2	778	..	43·76	249	178
D	Carlisle (Spital Cemetery)	J. T. Charlton, Esq.	8	1 0	114	31·8	37·38	204	158
	Carlisle (Denton Holme)	W. Eggleston, Esq.	5	2 0	57	..	36·88	..	..
d	Carlisle (Scaleby Hall)	Lady Allison	5	1 0	111	33·7	(39·85)	..	..
	2.—DERWENT. 257 sq. mi.								
M	Borrowdale (Seathwaite)	The Meteorological Office	4	0 9	422	129·5	(150·00)	..	..
M	Ullscarf	L. Holme Lewis, Esq., C.E.	5	1 0	2100	115·1	136·10	..	..
	Helvellyn (Birkside)	L. Holme Lewis, Esq., C.E.	5	1 0	1900	80·4	88·20	..	..
M	Wythburn	L. Holme Lewis, Esq., C.E.	5	1 0	610	87·8	106·80	..	..
	Armboth Fells (The Pewitts)	L. Holme Lewis, Esq., C.E.	5	1 0	1650	82·9	101·80	..	..
	Helvellyn (Whiteside)	L. Holme Lewis, Esq., C.E.	5	1 0	2100	75·9	92·70	..	..
D	Buttermere (Hassness)	E. Dixon, Esq.	6	1 0	350	..	107·28	223	205
M	Crummock Water (Llanthwaite Grn.)	R. W. Hall, Esq.	5	1 0	510?	..	70·90	..	..
	Thirlmere (Dale Head Hall)	L. Holme Lewis, Esq., C.E.	6	1 3	620	78·7	91·90	..	..
D	Keswick (Lingholm Gardens)	J. Elson, Esq.	5	1 0	300	..	72·50	218	184
D	Keswick (Derwent Island)	C. E. Marshall, Esq.*	5	0 7	280	..	68·45	229	189

* *Per* Miss Cordelia Marshall.

DIVISION X.—NORTHERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
	CUMBERLAND—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—DERWENT—(*con.*).								
D	Keswick (Derwent Island)	C. E. Marshall, Esq.*	5	0 6	290	57·0	66·09	229	188
D	Keswick (High Hill)	T. Wilson, Esq.	5	1 0	254	..	59·21	226	177
D	Portinscale (High Moss)	Mrs. J. E. Brown	5	1 0	285	..	70·19	217	187
D	Keswick (Mirehouse)	Miss Spedding	5	1 6	280	..	(57·52)	220	183
D	Workington (Stainburn Res.)	The Borough Surveyor	5	1 0	180	..	39·74	188	144
D	Cockermouth (Derwent Lodge)	late Wilfred Irwin, Esq.	5	1 0	200	..	41·25	208	157
D	Threlkeld (Blencathra Sanat.)	Dr. W. Goodchild	5	1 0	885	..	67·74	202	185
M	Cockermouth (Castlegate Drive)	R. W. Hall, Esq.	5	0 8	208	..	46·05	..	..
	Camerton Vicarage	Rev. E. C. Bennett	5	1 0	200	..	36·89	..	..
D	Bassenthwaite (Higham)	G. F. Fisher, Esq.	5	0 9	500	..	48·51	212	186
	3.—WEST COAST STREAMS. 235 sq. mi.								
D	Ravenglass (The Grove)	Walter Marchant, Esq.	5	3 0	70	42·5	47·88	194	169
	Eskdale Green (Gatehouse)	Mr. J. W. Rainbow*	5	1 0	300	..	66·15	241	..
	Braystones	H. H. Watson, Esq.	10	3 6	36	..	43·74	..	..
M	Egremont (Lank Rigg)	J. Sherwen, Esq.	5	1 0	1750	..	(79·45)	..	..
D	St. Bees (Bickerley House)	Lt. Col. G. Dixon	8	1 6	60	..	44·94	202	157
D	Whitehaven (Stanley Pond)	Whitehaven Colliery Co., Ltd.	12	2 11	45	..	49·32	191	162
D	Whitehaven (Scragill Reservoir)	C. A. Wilson, Esq., C.E.	8	1 0	188	..	52·88	237	201
D	**Workington (Winscales House)**	Miss Trench	5	1 6	440	..	35·80	213	142
	4.—DUDDON & C. 50 sq. mi.								
	5.—SOUTH TYNE. 87 sq. mi.								
D	Alston Vicarage	Rev. A. R. A. Watson, M.A., R.N.	5	1 0	940	..	55·94	228	195
	WESTMORLAND. (Area, 783 sq. mi.)								
	1.—EDEN. 373 sq. mi.								
D	Kirkby Stephen (Redman Ho.)	Mrs. T. Mason	5	1 0	574	42·3	48·79	221	166
	Wasdale Pike	L. Holme Lewis, Esq., C.E.	5	1 0	1825	..	76·62	..	..
	Mosedale (Mosedale Cottage)	L. Holme Lewis, Esq., C.E.	5	1 0	1443	..	89·84	..	..
	Wet Sleddale (Mirethwaite)	L. Holme Lewis, Esq., C.E.	5	1 0	990	..	67·73	..	..
	Blea Water	L. Holme Lewis, Esq., C.E.	5	1 0	1465	..	103·47	..	..
	Mardale (Grove Brae)	L. Holme Lewis, Esq., C.E.	5	1 0	802	..	90·67	..	..
	Shap (Birkbeck Fell)	L. Holme Lewis, Esq., C.E.	5	1 0	935	..	58·93	..	..
	Swindale Parsonage	L. Holme Lewis, Esq., C.E.	5	1 0	875	..	71·36	..	..
	Swindale Head	L. Holme Lewis, Esq., C.E.	5	1 0	1025	..	68·87	..	..
	Grizedale (Ruthwaite Lodge)	W. J. Marshall, Esq.*	8	1 6	1250	..	104·09	..	..
	Mardale (Low Raise)	L. Holme Lewis, Esq., C.E.	5	1 0	2465	..	101·70	..	..
	Shap (Thornship Gill)	L. Holme Lewis, Esq., C.E.	5	1 0	865	..	58·33	..	..
	Shap (Tailbert Head)	L. Holme Lewis, Esq., C.E.	5	1 0	1100	..	60·46	..	..
D	Stainmore (Rampson)	Mrs. Bracken	5	1 9	981	..	50·15	257	201
	Hawes Water (Boulderstone Nib)	L. Holme Lewis, Esq. C.E.	8	1 0	744	..	73·63	..	..
	Hawes Water (Naddle House)	L. Holme Lewis, Esq., C.E.	5	1 0	825	..	65·97	..	..
	Hawes Water (Measand)	L. Holme Lewis, Esq., C.E.	5	1 0	824	..	68·61	..	..
	Measand Beck (Keasgill)	L. Holme Lewis, Esq., C.E.	5	1 0	1862	..	62·33	..	..
	Patterdale Hall	W. J. Marshall, Esq.*	5	1 3	490	86·4	94·48	222	..
d	Patterdale (Greenside Mine)	Matthew Place, Esq.	7	1 6	1000	..	92·03	..	..
	Low Kop	L. Holme Lewis, Esq., C.E.	5	1 0	1876	..	61·00	..	..
	Bampton (Walmhow)	L. Holme Lewis, Esq., C.E.	5	1 0	615	..	51·59	..	..
	Bampton (Stanegarth)	L. Holme Lewis, Esq., C.E.	5	1 0	913	..	65·78	..	..
	Cawdale Beck (Howe Grain)	L. Holme Lewis, Esq., C.E.	5	1 0	1642	..	55·84	..	..
	Heltondale (Kidmoor)	L. Holme Lewis, Esq., C.E.	5	1 0	984	..	57·73	..	..

* *Per* Miss Cordelia Marshall.

DIVISION X.—NORTHERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
WESTMORLAND—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—EDEN—(*con.*).								
D Appleby (Castle Bank)	C. R. Rivington, Esq.	5	1 0	440	35·0	43·81	232	192
Ullswater (Sharrow Bay)	Mr. G. Robinson	5	0 7	600	..	55·82	..	..
D Penrith (Morland)	F. R. Markham, Esq.	5	1 0	455	..	42·41	213	177
D Penrith (Lowther Castle)	Mr. J. Jeffrey	5	1 0	760	..	48·84	206	187
D Penrith (Barton House)	Mrs. Legh Tolson	5	0 10	500	..	50·84	252	186
D Temple Sowerby (The Grange)	Col. E. B. Burton	5	1 1	370	..	38·72	202	165
D Penrith (Brougham Gardens)	Mr. J. H. Lane	5	5 0	470	..	41·33	208	169
2.—LEVEN. 60 sq. mi.								
D Bowness (Dawstone)	W. H. Milne, Esq.	5	1 2	550	63·1	63·94	188	168
D Windermere (Hammar Bank)	Mrs. H. Coutts	5	1 0	200	..	69·41	232	185
D Windermere (Holehird)	W. G. Groves, Esq.	5	1 0	483	..	73·93	266	194
D Windermere (Brockhole)	W. Gaddum, Esq.	5	1 6	175	..	69·94	223	191
D Ambleside (Wansfell)	Miss Wrigley	8	1 0	150	..	74·94	227	191
M Little Langdale (Fell Foot)	Miss C. Marshall	5	2 2	380	..	(118·20)	..	..
D Ambleside (White Craggs)	C. H. Hough, Esq.	5	1 7	200	..	76·20	216	187
D Ambleside (Market Square)	G. A. Johnston, Esq., M.D.	5	1 0	180	..	79·68	237	192
Elterwater (Eltermere)	Miss C. Marshall	5	1 0	205	..	99·54	230	..
D Rydal (The Stepping Stones)	Gordon Wordsworth, Esq.	5	1 3	190	..	86·43	244	204
D Rydal (High Close)	F. E. T. Jones Balme, Esq.	8	0 9	553	83·3	88·69	235	197
D Rydal (The Hall)	R. E. Porter, Esq.	5	1 0	354	..	89·00	249	194
d Dungeon Ghyll	Miss C. Marshall	5	1 0	310	..	123·06	..	..
M Mickleden	Miss C. Marshall	5	1 6	490	..	137·17	..	..
D Grasmere (The Wray)	Miss G. M. Simpson	5	1 0	221	88·5	100·65	252	200
3.—KENT. 188 sq. mi.								
D Burton (Under Fell)	J. B. Hoyle, Esq.	5	0 9	225	..	50·29	220	174
D Heversham (Plumtree Hall)	Miss M. C. Watson	5	0 8	115	..	54·36	229	169
D Grange-over-Sands (Witherslack)	R. M. Argles, Esq.	5	0 9	75	..	56·37	216	175
D Old Hutton (Middleshaw)	F. G. T. Adams, Esq.	8	3 5	369	..	58·12	181	167
D Killington Reservoir	F. G. T. Adams, Esq.	8	2 8	674	..	55·06	191	171
D Kendal (VicarageTerrace)	G. F. Braithwaite, Esq.	8	0 7	150	..	58·65	216	177
D Kendal (Highgate)	R. Rhodes, Esq.	5	1 3	150	..	59·96	217	169
D Kendal (Burnside)	W. E. Brown, Esq.	5	0 10	160	..	61·83	214	177
4.—LUNE. 122 sq. mi.								
Kirkby Lonsdale	J. R. Picard, Esq.	7	1 0	215	..	53·89	..	..
D Barbon Manor	Lord Shuttleworth	5	1 3	650	..	57·58	205	195
D Barbon (The Stores)	W. Wilkinson, Esq.	5	1 0	310	..	55·32	194	172
Ravenstonedale (Railway Station)	J. T. Sanderson, Esq.	5	1 0	800	..	55·65?		
5.—TEES. 40 sq. mi.								
M Lunedale (Conny Pot)	G. R. Collinson, Esq., C.E.	5	1 0	1840	..	69·60	..	..

DIVISION XI.—MONMOUTH, WALES, AND THE ISLANDS.

MONMOUTH. (Area, 534 sq. mi.)								
1.—RHYMNEY. 39 sq. mi.								
d Rumney (Witla Court)	Mr. E. Edwards	5	1 0	175	39·4	52·53	..	..
D St. Mellons (Druidstone)	Mr. G. H. Shoebridge	5	1 0	280	..	50·02	203	167
d Machen (Machen Quarry)	Machen Stone & Lime Co.	5	0 6	250	..	56·06	..	181

DIVISION XI.—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

STATIONS.	AUTHORITIES.	Dfam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
MONMOUTH—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—EBBW. 88 sq. mi.								
D Rogerstone (Rhiwderin)	Sir L. Forestier-Walker, K.B.E.	5	1 3	250	..	56·71	209	175
D Blackwood	D. H. Price, Esq.	5	0 10	630	..	55·24	217	170
D Abertillery (The Park)	S. E. Thomas, Esq.	5	1 0	700	57·2	66·17	234	184
D Tredegar Laboratory	W. Morgan, Esq.	5	2 0	950	59·8	63·06	218	177
D Tredegar (Redesdale)	D. W. Davies, Esq.	5	1 6	963	47·1	62·86	236	186
D Ebbw Vale (Iron Works)	J. H. Williams, Esq., V.C.	8	1 0	902	56·6	62·87	193	167
D Nant-y-bwch (Shon Sheffrey's W)	D. W. Davies, Esq.	5	1 5	1204	..	81·64	252	199
3.—USK & C. 290 sq. mi.								
D Redwick	Lt.-Col. Blethyn T. Rees, C.E.	5	1 3	24	..	39·38	206	157
d Portskewett (Sudbrook)	A. S. Quartermaine, Esq., C.E.	8	0 6	22	..	40·87	..	..
D Newport (Alltyryn Hosp.)	Dr. J. Howard Jones, M.O.H	8	1 0	265	..	50·39	200	169
D Newport W.W. (Friar St. Yard)	Newport Corporation	5	6 0	32	..	46·35	200	162
D Newport WW (Ynis-y-fro Res.)	Newport Corporation	5	1 0	136	..	50·97	222	173
D Newport WW (Pant-y-reos Res.)	Newport Corporation	5	1 0	435	..	50·80	224	173
D Newport W.W. (Llanvaches)	Newport Corporation	5	0 10	456	..	46·24	220	167
D Newport W.W. (Nantypridd)	Newport Corporation	5	1 0	500	..	51·32	217	172
D Chepstow (Itton Court)	Sir E. Curre, Bart	5	1 0	390	..	48·66	196	162
D Caerleon (Cwm-y-Wiwer)	Lt.-Col. Blethyn T. Rees, C.E.	5	1 0	112	37·5	43·41	218	160
D Newport W.W (Newchurch)	Newport Corporation	5	1 0	550	..	53·83	217	171
d Usk (Castle Parade House)	J. Maitland Watkins, Esq.	5	1 0	75	..	42·98	..	151
D Usk (Monmouth Agric. Instn.)	G. H. Purvis, Esq.	8	1 0	70	..	43·62	188	147
D Abersychan (Snatchwood Park)	Godfrey E. Jones, Esq.	8	1 0	529	55·2	69·08	242	178
D Abersychan (Glansychan)	G. W. James, Esq.	5	1 2	699	55·0	67·86	241	183
D Goytre (Goytre Hall)	Mrs. Lionel Whitehead	9	1 2	300	46·1	55·03	213	167
D Blaenavon (Estate Office)	E. J. John, Esq.	8	4 0	1150	55·1	65·92	183	160
D Abergavenny (Ty Clyd)	F. D. Llewelyn, Esq.	5	1 0	290	45·1	51·74	202	161
D Abergavenny (Mansel Place)	C. Webb, Esq.	8	7 2	217	40·6	44·00	188	142
D Abergavenny (Larchfield)	Dr. N. R. Phillips	5	1 0	240	37·5	(43·30)	196	148
D Abergavenny (The Chain)	W. Baker-Gabb, Esq.	5	1 0	310	..	43·38	201	148
D Grwyne Fawr (Coed Dias)	W. Baker-Gabb, Esq.	5	1 0	900	..	56·97	242	188
4.—WYE. 117 sq. mi.								
D Monmouth (Pentwyn)	Rev. Canon J. T. Harding.	9	1 0	191	30·9	38·94	182	147
D Monmouth (Cornwall House)	P. G. Harvey, Esq., M.D.	5	0 11	55	..	30·71?	186	129
D Llanvihangel Crucorney Depot	J. F. Jupp, Esq., C.E.	5	1 0	501	..	48·91	181	167
GLAMORGAN. (Area, 808 sq. mi.)								
1.—LOUGHOR. 55 sq. mi.								
D Gorseinon (Penllergaer)	Sir C. Venables Llewelyn, Bt.	5	3 0	240	48·7	55·17	216	183
D Felindre (Blaenant Dhu)	Major F. Hibbert, C.E.	5	1 3	346	..	66·13	234	192
D Felindre (Lower Lliw Res.)	Major F. Hibbert, C.E.	8	1 3	426	..	60·47	232	184
D Felindre (Upper Lliw Res.)	Major F. Hibbert, C.E.	8	1 3	599	..	75·05	234	188
2.—GOWER PENINSULA. 62 sq. mi.								
d Penmaen (Cefn Mor)	Mrs. Bostock	5	1 6	300	41·5	46·46	..	172
D Sketty (Rhydyrhelyg)	E. H. Perkins, Esq.	5	1 0	124	46·0	55·04	222	181
3.—TAWE. 47 sq. mi.								
D Swansea (Victoria Park)	(+A) Mr. D. Bliss	8	1 0	27	44·7	54·12	227	188
D Morriston (Pentrepoth House)	Dr. M. W. Williams	5	1 0	236	..	58·26	216	178
D Clydach (Wernfadog)	(R) W. J. P. Player, Esq.	8	4 2	..	..	50·26	187	151
D Ystalyfera (Wern House)	Miss J. E. Williams	5	1 6	240	64·8	79·73	199	183

DIVISION XI.—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
	GLAMORGAN—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—NEATH. 82 sq. mi.								
D	Briton Ferry (Brynsiriol)	H. A. Clarke, Esq., C.E.	5	1 0	33	..	54·57	203	173
D	Briton Ferry (Cefn Court)	H. A. Clarke, Esq., C.E.	5	1 0	503	47·7	51·86	201	180
D	Neath (Gnoll Reservoir)	H. A. Clarke, Esq., C.E.	5	1 0	204	..	56·78	222	191
D	Neath (Bryn-Teg)	H. P. Lloyd, Esq.	5	0 9	100	..	55·61	216	179
D	Neath (Glynfelin)	T. Gibbins, Esq.	5	1 4	180	..	58·54	209	177
D	Rhondda W.W.(Llyn FawrRes.)	Mr. J. B. Hughes	8	1 0	1220	88·6	88·11	237	198
	Pontardawe (Plas Cilybebyll)	J. H. B. Lloyd, Esq.	5	1 3	500	..	75·26	..	..
	5.—OGMORE & C. 350 sq. mi.								
D	Barry W.W. (Biglis)	T. E. Franklin, Esq., C.E.	5	1 0	19	34·5	44·86	212	165
W	Barry W.W.(Merthyr Dyfan R.)	T. E. Franklin, Esq., C.E.	5	1 0	300	37·6	46·38	..	..
W	Barry W. W. (Dinas Powis Res.)	T. E. Franklin, Esq., C.E.	5	1 0	165	36·4	50·69	..	..
D	Lower Penarth	E. I. Evans, Esq., C.E.	5	1 0	66	34·9	42·05	186	157
D	Penarth (Council Offices)	E. I. Evans, Esq., C.E.	5	5 0	160	37·1	45·00	199	170
D	Cardiff (Cogan Pumping Statn.)	N. J. Peters, Esq., C.E.	5	1 0	121	37·7	49·86	206	165
d	Cardiff (Ely Pumping Station)	N. J. Peters Esq., C.E.	5	1 0	53	42·1	50·18	..	177
D	Fairwater (Glan Ely Hospital)	Medical Superintendent	8	1 0	122	..	51·46	186	173
D	Cardiff (St. Fagans Castle)	Capt. H. A. Pettigrew	5	0 10	100	48·5	61·83	205	184
	Cowbridge (Ash Hall)	E. Tudor Owen, Esq.	8	3 6	315	45·0	49·86	205	179
D	Merthyr Mawr	Lt.-Col. J. I. D. Nicholl	5	1 6	75	42·9	46·44	226	186
D	Bridgend	H. J. Randall, Esq.	8	1 6	50	..	46·08	209	171
d	Bridgend (Heol-y-Cyw Sch.)	W. Morgan-Richards, Esq.	5	1 0	230	..	59·36	(185)	(171)
D	Port Talbot (Twyny-r-hydd)	E. N. David, Esq.	5	1 3	180	42·6	51·58	196	164
D	Port Talbot (Groeswen Ganol)	A. Bishop, Esq.	8	1 0	51	40·3	47·89	199	169
D	Maesteg (Neath Road)	Llewelyn C. Lloyd, Esq.	8	0 10	700	..	72·09	209	200
D	Pontycymmer (Police Station)	Sergeant F. Johns	8	1 0	560	..	91·39	207	183
d	Pontycymmer (Garn Sec Sch.)	J. J. Morgan, Esq.	5	1 0	600	..	91·13	232	218
d	Glyncorrwg Colliery	Mr. J. Preece	5	4 6	725	85·4	89·16	(198)	(189)
	6.—TAFF. 157 sq. mi.								
D	Cardiff (Trade Street Depot)	N. J. Peters, Esq., C.E.	5	1 0	45	39·5	50·75	211	173
D	Llandaff (West Hill)	J. E. Gladstone, Esq.	5	1 0	110	42·2	52·93	233	191
D	Rhubina Reservoir	N. J. Peters, Esq., C.E.	5	1 0	336	48·1	57·73	222	181
D	Pontypridd (Lan Wood Res.)	H. E. Maltby, Esq., C.E.	5	1 6	300	55·1	58·96	221	183
D	Ystradyfodwg (Tyntyla Hos.)	J. D. Jenkins, Esq., M.D.	5	1 0	590	60·1	59·71	220	188
D	Treharris Service Reservoir	A. J. Marshall, Esq., C.E.	5	1 3	765	52·3	58·23	214	182
D	Mountain Ash (Maesydderwen)	Lt.-Col. M. Morgan	5	1 0	483	56·6	55·15	206	160
D	Mountain Ash (Darranlas Res.)	W. G. Thomas, Esq., C.E.	5	0 11	540	63·0	59·94	223	178
D	Treherbert (Tyn-y-waun)	O. Thomas, Esq.	5	1 0	801	87·0	103·30	244	207
d	Cwmaman Collieries	Cwmaman Coal Co., Ltd.	5	1 0	930	70·0	(74·66)	..	..
D	Rhondda (Pont Lluest WenR) 3	H. E. Maltby, Esq., C.E.	5	1 6	1100	82·1	89·57	213	195
D	Rhondda (Pont Lluest WenR.)2	H. E. Maltby, Esq., C.E.	5	1 6	1200	63·3	89·45	213	194
D	Rhondda (Pont Lluest Wen R.)1	H. E. Maltby, Esq., C.E.	5	1 6	1280	89·0	102·56	213	196
D	Merthyr Tydfil(Penybryn Filters)	A. J. Marshall, Esq., C.E.	5	1 3	937	54·0	61·99	247	191
D	Dowlais (Gwernllwyn)	R. C. Harrison, Esq.	5	1 6	1071	51·4	60·55	221	186
D	Dowlais (Garth Filter Beds)	A. C. Quiningborough, Esq.	5	1 0	1245	..	66·13	240	194
	7.—RHYMNEY. 55 sq. mi.								
D	Cardiff (Roath Park)	A. A. Pettigrew, Esq.	5	0 11	49	41·6	50·53	212	183
D	Cardiff (Penylan)	R. M. F. Picken, Esq., M.D.	5	1 0	203	41·4	51·07	209	180
D	Cardiff (Heath Filters)	N. J. Peters, Esq., C.E.	5	1 0	132	41·3	51·40	210	178
D	Llanishen Reservoir	N. J. Peters, Esq., C.E.	5	1 0	155	39·4	47·74	210	169
D	Lisvane Reservoir	N. J. Peters, Esq., C.E.	5	1 0	150	37·4	44·83	210	170
D	Rhymney Bridge Reservoir	E. Watkins Edwards Esq. C.E.	8	1 0	1098	56·8	69·63	237	202
	CARMARTHEN. (Area, 918 sq. mi.)								
	1.—TEIFI. 87 sq. mi.								
	2.—TOWY & C. 715 sq. mi.								
D	Carrmathen (The Friary)	Dr. L. M. Bowen-Jones	5	1 5	62	48·3	54·47	217	191
D	Carmarthen (Model&Prac. Sch.)	C. W. Wilford, Esq.	5	1 5	65	..	60·20	244	188

DIVISION XI.—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
CARMARTHEN—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—TOWY & C.—(*con.*)								
D Llandilo (Dynevor Castle)	Lord Dynevor	8	1 4	202	53·2	61·68	243	193
D Llandilo (Bryneithen)	F. L. Puxley, Esq.	5	1 0	200	49·8	64·04	237	191
w Llyn-y-fanFach(WaenSychlwch)	R. C. Jones, Esq.	5	1 0	1647	83·2	122·26	..	..
d Llyn-y-fan Fach (Nant Coch)	R. C. Jones, Esq.	5	1 0	1172	74·5	92·40	..	..
w Llyn-y-fan Fach (Bua'r Llyn)	R. C. Jones, Esq.	5	1 0	1650	..	139·67	..	..
D Llyn-y-fan Fach(Troed-y-Foel)	R. C. Jones, Esq.	5	1 0	867	..	79·94	232	197
D Llanddeusant (Pontcrynfe)	J. Thomas, Esq.	5	1 0	323	55·6	69·34	227	179
d Abergorlech	S. L. Davies, Esq.	5	1 0	250	..	(67·83)	..	..
D Llandovery (Nantyrhogfaen)	D. T. M. Jones, Esq.	5	1 0	249	50·8	60·15	219	189
D Llanwrda (Dolaucothy)	Rev. H. Lloyd	5	2 6	498	57·5	73·95	255	222
3.—LOUGHOR & C. 104 sq. mi.								
D Llanelly (Old Market Yard)	G. Watkeys, Esq., C.E.	5	12 0	35	44·6	57·70	233	188
D Llanelly (Filter Beds)	G. Watkeys, Esq., C.E.	5	1 0	237	45·1	60·59	220	187
D Llanelly (Cwmlliedi W.W.)	G. Watkeys, Esq., C.E.	5	2 3	240	48·7	61·93	230	194
D Llanelly (Upper Lliedi Res.)	G. Watkeys, Esq., C.E	5	3 0	290	58·6	68·22	226	198
w Llannon	R. C. Jones, Esq.	5	1 0	860	..	76·68	..	..
4. TAWE. 7 sq. mi.								
5.—USK. 5 sq. mi.								
6.—WYE.								
PEMBROKE. (Area, 617 sq. mi.)								
1.—TEIFI. 37 sq. mi.								
2.—NEVERN & C. 91 sq. mi.								
3.—WEST COAST STREAMS. 82 sq. mi.								
4.—CLEDDAU & C. 407 sq. mi.								
d Pembroke (Stackpole Court)	Mr. F. G. Garlick	6	1 6	60	39·3	43·38	..	..
D Manorbier (N.P. School)	H. J. Parr, Esq.	5	12 0	120	..	40·50	241	186
D Tenby (The Priory)	Miss D. G. Truscott	8	0 10	87	40·9	41·94	207	169
D St. Ann's Head	The Meteorological Office	8	0 8	142	35·3	36·78	194	165
d Pembroke Dock (County School)	J. H. Garnett, Esq.	5	1 0	85	42·7	42·60	..	..
D Pembroke Dock (Admiralty R.)	Officer i/c. Works	8	1 0	90	..	42·42	191	166
Milford Haven (Co. School)	F. L. Lowther, Esq.	5	1 0	150	..	43·49	..	..
D Saundersfoot (Hean Castle)	Lord Merthyr	5	1 1	206	36·3	43·64	192	177
Haverfordwest (Picton Castle)	Sir C. E. G. Philipps, Bt.	5	0 10	138	46·8	50·34	..	..
D Haverfordwest (Portfield)	J. W. Phillips, Esq.	5	1 0	250	44·8	46·99	219	179
Haverfordwest (Grammar Sch.)	J. W. Phillips, Esq.	5	1 0	95	46·4	50·25	207	172
d Mynachlogddu (Council School)	W. H. Parry, Esq.	5	1 3	630	60·7	72·34	..	..
D Fishguard (Langton, Dwrbach)	J. C. Yorke, Esq.	5	0 6	320	45·4	43·51	243	180
CARDIGAN. (Area, 688 sq. mi.)								
1.—DOVEY. 20 sq. mi.								
2.—YSTWYTH & C. 347 sq. mi.								
D Llanafan (Crosswood Park)	The Earl of Lisburne	5	1 0	201	..	55·84	243	197
D Yspytty-Ystwyth (Hafod)	T. J. Waddingham, Esq.	5	1 3	580	56·4	72·18	259	222
Capel Bangor (Penllwyn)	W. E. Whitehouse, Esq.	5	1 0	145	41·3	50·88	..	..

DIVISION XI.—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
CARDIGAN—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—YSTWYTH & C.—(*con.*).								
D Aberystwyth (Castle Grounds)	Dr. A. Thomas	8	1 0	69	..	38·19	215	170
D Aberystwyth (North Parade)	Dr. A. Thomas	8	2 6	16	..	42·66	223	177
D Aberystwyth (Plant Breeding Stn.)	M. G. Jones, Esq.	5	1 0	450	..	49·71	249	185
d Aberystwyth (Gogerddan)	Mr. F. J. Reeves	5	1 1	83	46·5	57·91	..	184
3.—TEIFI. 260 sq. mi.								
D Cardigan (County School)	Dr. D. Rees	5	1 6	72	..	42·13	210	170
D Lampeter (Falcondale)	Mr. W. Taylor	5	1 0	498	..	56·77	219	187
M Yspytty-Ystwyth (Dolgroes)	The Meteorological Office	5	1 0	780	..	69·10	..	..
4.—TOWY. 46 sq. mi.								
d Abergwesyn (Nantneuadd)	The Meteorological Office	5	1 0	1000	..	78·80	..	202
M Tregaron (Maes-y-bettws)	The Meteorological Office	5	1 0	910	..	82·40	..	..
5.—WYE. 15 sq. mi.								
M Birmingham W.W. (Llyn Gynon)	F. W. Macaulay, Esq., C.E.	5	1 0	1500	..	85·37	..	..
M Birmingham WW (Bwlchyrhendre)	F.W. Macaulay, Esq., C.E.	5	1 0	1585	..	84·91	..	..
M Birmingham W.W. (Claerddu)	F. W. Macaulay, Esq., C.E.	5	1 0	1470	..	87·53	..	..
M Birmingham W.W. (Gwngu)	F. W. Macaulay, Esq., C.E.	5	1 0	1490	..	78·23	..	..
d Birmingham W.W. (Abergwngu)	F. W. Macaulay, Esq., C.E.	5	1 0	1150	..	81·85	..	226
M Plynlimon	The Meteorological Office	5	1 0	1630	108·0	106·40	..	..
BRECON. (Area, 733 sq. mi.)								
1.—TOWY. 17 sq. mi.								
2.—TAWE. 41 sq. mi.								
D Ystradgynlais (Yniscedwyn Ho.)	G. Coleman, Esq.	5	0 9	232	65·2	72·17	225	198
D Swansea W.W. (Nantyrwydd)	Major F. Hibbert, C.E.	5	0 10	908	90·8	98·06	238	227
3.—NEATH. 48 sq. mi.								
D Glyn Neath (P. Neath Vaughan)	Messrs. Curtis & Harvey, Ltd.	5	1 5	297	61·7	65·85	237	188
D Ystradfellte Reservoir	D. M. Davies, Esq., C.E.	5	1 0	1147	85·4	98·97	228	197
4.—TAFF. 48 sq. mi.								
D Aberdare (Nanthir Reservoir)	O. Williams, Esq., C.E.	5	1 0	860	59·6	57·02	243	192
D Pontsticill (Penrhadwy)	Mrs. J. D. Griffiths	5	1 0	1250	..	67·98	211	197
D Taff Fechan (Pontsticill) No. 12	A. C. Quiningborough, Esq.	5	1 0	1031	..	65·07	232	195
M Taff Fechan (Pontsticill West) 14	A. C. Quiningborough, Esq.	5	1 0	1254	..	71·15	..	..
D Cardiff W.W. (Llwynon Res.)	N. J. Peters, Esq., C.E.	5	1 0	860	57·8	69·93	229	193
w Cardiff W.W. (Troedyrhiw)	N. J. Peters, Esq., C.E.	5	1 0	860	63·6	73·25	..	..
D Cardiff W.W. (Pont-ar-daf)	N. J. Peters, Esq., C.E.	5	1 0	850	64·8	73·91	229	191
w Cardiff W.W. (Garw-nant)	N. J. Peters, Esq., C.E.	5	1 0	1100	67·1	81·99	..	..
w Cardiff W.W. (Nant-Gwineu)	N. J. Peters, Esq., C.E.	5	1 0	1275	54·3	64·77	..	..
w Cardiff W.W. (Nant-y-gou-garn)	N. J. Peters, Esq., C.E.	5	1 0	..	72·0	92·03	..	..
D Taff Fechan (Pentwyn Res. S.)	A. C. Quiningborough, Esq.	5	1 0	1120	..	78·59	246	193
Taff Fechan (Pentwyn Res. N.)	A. C. Quiningborough, Esq.	5	1 0	1090	..	79·73	..	..
w Cardiff W.W. (Nant Goch)	N. J. Peters, Esq., C.E.	5	1 0	..	55·8	76·07	..	..
w Cardiff W.W. (Nant Ddu)	N. J. Peters, Esq., C.E.	5	1 0	1560	71·5	87·47	..	..
w Cardiff W.W. (Storey Arms) No. 4	N. J. Peters, Esq., C.E.	5	1 0	1430	69·2	85·23	..	..
w Cardiff W.W. (Tyle Brith) No. 1	N. J. Peters, Esq., C.E.	5	1 0	2350	73·2	89·37	..	..
D Cardiff W.W. (Cantreff R.) No. 2	N. J. Peters, Esq., C.E.	5	1 0	1120	70·1	87·45	235	197
D Cardiff W.W. (Beacons Res.) No. 6	N. J. Peters, Esq., C.E.	5	1 0	1340	79·4	97·97	238	202
w Cardiff W.W. (Nant Penig) No. 3	N. J. Peters, Esq., C.E.	5	1 0	2000	87·5	106·81	..	..
D Taff Fechan (Neuadd Rs.) No. 1	A. C. Quiningborough, Esq.	5	1 0	1462	70·3	86·40	258	203
D Taff Fechan (Neuadd Rs.) No. 1A	A. C. Quiningborough, Esq.	5	1 0	1423	..	100·73	258	206
D Taff Fechan (Neuadd Rs.) No. 4	A. C. Quiningborough, Esq.	5	1 0	1487	82·7	98·04	258	207

DIVISION XI.—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
	BRECON—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—TAFF—(*con.*).								
D	Taff Fechan (Neuadd Rs.) No.11	A. C. Quiningborough, Esq.	5	1 0	1524	68·3	78·64	258	194
D	Taff Fechan(Neuadd Rs.)No.11aA	.C. Quiningborough, Esq.	5	1 0	1520	..	98·31	258	204
M	Taff Fechan (Neuadd Rs.) No.2	.A. C. Quiningborough, Esq.	5	1 0	1993	72·7	89·95	..	..
M	Taff Fechan (Neuadd Rs.) No. 5	A. C. Quiningborough, Esq.	5	1 0	1515	81·1	108·74	..	..
M	Taff Fechan (Neuadd Rs.) No.10	A. C. Quiningborough, Esq.	5	1 0	1700	72·7	93·43	..	..
M	Taff Fechan (Neuadd Rs.) No. 3	A. C. Quiningborough, Esq.	5	1 0	1843	60·6	93·54	..	..
M	Taff Fechan (Neuadd Rs.) No. 7	A. C. Quiningborough, Esq.	5	1 0	2017	81·1	109·74	..	..
M	Taff Fechan (Neuadd Rs.) No. 8	A. C. Quiningborough, Esq.	5	1 0	1723	85·7	108·47	..	..
M	Taff Fechan (Neuadd Rs.) No.8aA	. C. Quiningborough, Esq.	5	1 0	1780	..	98·51	..	..
M	Taff Fechan (Neuadd Rs.) No. 6	A. C. Quiningborough, Esq.	5	1 0	2099	92·4	118·67	..	..
	5.—RHYMNEY. 2 sq. mi.								
	6.—EBBW. 7 sq. mi.								
D	Ebbw Vale W.W.(Llangynidr)	I P. I. Davies, Esq., C.E.+	5	1 0	1413	58·8	65·85	204	188
D	Ebbw V.W.W.(Llangynidr) W	3P. I. Davies, Esq., C.E. ..	5	1 0	1468	..	78·89	205	199
D	Ebbw V.W.W.(Llang'ndr)NW	2P. I. Davies, Esq., C.E. ..	5	1 0	1471	..	79·15	203	195
D	Ebbw Vale W.W. (Carno, S.)	..P. I. Davies, Esq., C.E. ..	5	1 0	1236	..	66·04	207	188
D	Ebbw Vale W.W. (Carno, E.)	.P. I. Davies, Esq., C.E. ..	5	1 0	1391	..	64·33	206	182
D	Ebbw Vale W.W. (Carno, W.)	.P. I. Davies, Esq., C.E. ..	5	1 0	1412	..	65·91	205	185
D	Ebbw Vale W.W. (Carno, N.)	.P. I. Davies, Esq., C.E. ..	5	1 0	1533	..	64·24	206	185
	7.—USK. 299 sq. mi.								
	Torpantau (Darenfawr)	.....Newport Corporation	5	1 0	1172	..	81·00	..	..
	Torpantau (Ynysposte)	.....Newport Corporation	5	1 0	741	..	(75·48)	..	..
	Torpantau (Blaen-caer-fanell)	.Newport Corporation	5	1 0	1584	..	86·13	..	..
D	Talybont (Pentir-rhiw)	.....Newport Corporation	5	1 0	587	..	62·90	218	180
	Talybont (Pwll Ifor)	.....Newport Corporation	5	1 0	1224	..	72·83	..	..
D	Crickhowell Rectory	.....Rev. G. Roberts	5	1 0	320	..	47·65	206	172
D	Crickhowell (Gwernvale)	.....E. Pirie Gordon, Esq.....	5	1 0	393	..	47·55	221	168
D	Crickhowell (Glanusk Park)	...Major The Hon.W.R.Bailey	5	1 0	290	..	49·49	232	174
M	Swansea W.W. (Cray Rs.) No. 2	Major F. Hibbert	5	1 0	1019	..	104·27	..	..
D	SwanseaW.W.(CrayRs.)No.1(+A)	Major F. Hibbert	5	1 0	1043	..	88·58	242	204
M	Cray Post Office	.....The Meteorological Office .	5	1 0	930	..	89·50	..	..
M	Talybont (Cwy Parc)	.....Miss E. Jones-Williams ..	5	1 6	480	..	55·20	..	..
D	Llanfrynach (Ty-mawr)	.....Miss M. D. de Winton ...	5	1 0	450	..	45·45	209	164
M	Crickhowell (Cwmdu Rectory)	.Rev. W. A. Davies	5	1 0	430	..	(45·05)	..	
M	Crickhowell (Tal-y-maes)	.....The Meteorological Office .	5	1 0	1250	..	60·10	..	..
d	Trecastle (Blaenau-hydfer)	....The Meteorological Office	5	1 0	970	..	82·82	..	..
D	Brecon (Tairbull School)	.....I. L. Price, Esq.	5	1 0	660	52·0	73·65	264	206
	Brecon (Ffrwdgrech)	.....Capt. J. D. D. Evans	8	1 1	570	..	57·01	211	181
D	Black Mountains (Blaen-y-cwm)	J. F. Jupp, Esq., C.E.	5	1 0	1423	..	69·02	237	209
D	Black Mountains (Blaen-y-cwm)	J. F. Jupp, Esq., C.E.	5	1 0	1289	..	68·13	231	203
	Black Mountains (Waun Fach)	. J. F. Jupp, Esq., C.E.	5	1 0	2650	..	76·79	..	..
	Black Mts. (Cwm Grigus Uchaf)	J. F. Jupp, Esq., C.E.	5	1 0	1980	..	71·21	..	..
D	Black M.(DamSiteGrwyneFawr)	J. F. Jupp, Esq., C.E.	5	1 0	1620	..	70·06	233	205
D	BlackMountains(AberClyd)(+A)	J. F. Jupp, Esq., C.E.	5	1 0	1880	..	63·26	233	204
	Black Mts. (Pen-y-Manllwyn)	. J. F. Jupp, Esq., C.E.	5	1 0	2512	..	65·77	..	..
	Black Mts. (Taren-yr-Esgob)	.. J. F. Jupp, Esq., C.E.	5	1 0	2039	..	64·85		..
	Black Mts. (Twyn Tal-y-Cefn)	. J. F. Jupp, Esq., C.E.	5	1 0	2130	..	64·79	..	..
	Black Mts.(Blaen Grwyne Fawr)	J. F. Jupp, Esq., C.E.	5	1 0	2550	..	61·02	..	..
M	Upper Chapel (Tymawr)	.....Mrs. Probert	5	1 0	945	46·9	63·00		..

DIVISION XI.—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
	BRECON—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	8.—WYE. 271 sq. mi.								
D	Cathedine Rectory	The Meteorological Office	5	1 6	650	..	39·76	184	154
D	Talgarth (Dan-y-garth)	F. Morgan, Esq.	5	3 6	400	..	40·17	185	155
D	Talgarth (Pontiwal Sanatorium)	Dr. H. E. Watson	5	0 10	500	..	39·53	252	175
D	Builth Wells (Tyn-y-berllan)	Dr. W. Black Jones	5	1 0	425	38·1	45·08	195	173
M	Abergwesyn (Trallwn)	The Meteorological Office	5	1 0	1000	..	91·28	..	..
M	Newbridge (Pengraig)	The Meteorological Office	5	1 0	960	56·8	69·80	..	..
D	Newbridge (Llysdinam)	Sir C. Venables Llewelyn, Bt.	5	1 3	646	41·2	51·42	225	186
M	Birm'gh'm W.W. (Cors-yr-hwch)	F. W. Macaulay, Esq., C.E.	5	1 0	1775	..	105·75	..	..
M	Birm'gh'm W.W. (Esgair Ceiliog)	F. W. Macaulay, Esq., C.E.	5	1 0	1560	..	94·70	..	..
M	Birm'gh'm W.W. (Llyn-Carw)	F. W. Macaulay, Esq., C.E.	5	1 0	1775	..	95·85	..	..
M	Birm'gh'm W.W. (Nant-y-car)	F. W. Macaulay, Esq., C.E.	5	1 0	1545	..	95·22	..	..
M	Birm'gh'm W.W. (Tyn-y-pant)	F. W. Macaulay, Esq., C.E.	5	1 0	1320	63·2	71·39	..	..
M	Birm'gh'm W.W. (Esgair Garthen)	F. W. Macaulay, Esq., C.E.	5	1 0	1590	..	(94·51)	..	..
D	Birm'gh'm W.W. (Elan Village)	F. W. Macaulay, Esq., C.E.	5	1 0	700	..	66·81	235	199
	RADNOR. (Area, 474 sq. mi.)								
	1.—WYE. 424 sq. mi.								
D	Glasbury-on-Wye (Hampton Sc.)	Rev. D. C. Lloyd	5	1 0	274	33·9	39·18	193	157
D	Builth (Cefndyrys)	Capt. E. A. Thomas	5	0 10	740	41·5	51·10	198	188
D	Builth Rd. (St. John's Vicarage)	Rev. Canon J. L. Bryans	5	1 0	550	41·9	49·58	237	188
M	New Radnor (Gryliss)	H. Langston, Esq.	5	1 6	1200	..	48·18	..	..
D	New Radnor (Harpton Crt. Gns)	Mr. C. W. Bowen	5	0 9	700	..	49·71	207	170
M	New Radnor	John Langston, Esq.	5	1 4	720	44·1	52·46	..	..
D	Llandrindod Wells	Rev. J. Ll. Herbert	5	1 0	699	39·3	50·49	226	184
D	Birmingham WW (Tyrmynydd)	F. W. Macaulay, Esq., C.E.	5	1 0	832	62·1	71·76	235	198
D	Birmingham W W (Nantgwillt)	F. W. Macaulay, Esq., C.E.	5	1 0	840	63·2	70·99	238	200
M	Birmingham W. W. (Dwfnant)	F. W. Macaulay, Esq., C.E.	5	1 0	1050	67·8	83·00	..	..
M	Birmingham WW (Esgair Gader) 2	F. W. Macaulay, Esq. .C.E.	5	1 0	1500	68·9	80·20	..	..
M	Birmingham W.W. (Tynllidiart)	F. W. Macaulay, Esq., C.E.	5	1 0	1006	..	76·50	..	..
d	Birmingham W.W. (Claerwen)	F. W. Macaulay, Esq., C.E.	5	1 0	1250	65·2	81·15	..	224
D	Birmingham W.W. (Tynant)	F. W. Macaulay, Esq., C.E.	5	1 0	1020	63·6	78·00	238	213
D	Rhayader (Penralley)	E. D. Prothero, Esq.	5	1 0	757	50·6	54·39	237	185
M	Bir'gham WW (Cerrigllwydion)	F. W. Macaulay, Esq., C.E.	5	1 0	1710	74·8	86·46	..	..
M	Birm'gham WW (Pen-y-gareg)	F. W. Macaulay, Esq., C.E.	5	1 0	1500	55·2	63·23	..	..
M	Birm'gham WW (Pen-y-gareg) 2	F. W. Macaulay, Esq., C.E.	5	1 0	1540	43·9	70·60	..	..
M	Birmingham W.W. (Calettwr)	F. W. Macaulay, Esq., C.E.	5	1 0	1490	71·1	(92·38)	..	..
M	Birmingham W.W. (Figin) No. 2	F. W. Macaulay, Esq., C.E.	5	1 0	1700	83·3	101·66	..	..
M	Birmingham WW (Aberhenllan)	F. W. Macaulay, Esq., C.E.	5	1 0	1070	58·8	76·60	..	..
M	Llanbister (Llananno)	The Meteorological Office	5	1 0	900	45·1	55·55	..	..
	2.—SEVERN—Right Bank Tributaries. 50 sq. mi.								
	MONTGOMERY. (Area, 797 sq. mi.)								
	1.—DOVEY. 120 sq. mi.								
D	Machynlleth (The Plâs)	Mr. A. Gribble	5	1 0	41	..	66·91	231	215
	2.—YSTWYTH. 7 sq. mi.								
	3.—WYE. 37 sq. mi.								
D	Llangurig (Dernol)	The Meteorological Office	5	1 0	870	61·5	67·28	225	210
	4.—SEVERN—Right Bank Tributaries. 154 sq. mi.								
d	Llanidloes (Llidiartywaen Sch.)	G. E. Edwards, Esq.	5	1 0	1150	..	(51·97)	(228)	(181)
D	Llandinam (Plas Dinam)	Mr. D. Bowen	5	1 0	436	37·4	47·57	205	185
D	Newtown (Penarth Weir)	A. Turnbull, Esq.	8	1 0	321	35·0	44·41	209	159
D	Montgomery (Oakfield)	Dr. R. E. Game Phillips	5	1 0	450	..	37·56	206	167
D	Welshpool (Edderton Hall)	Miss A. M. Howell Evans	5	1 0	500	28·3	37·18	215	160

DIVISION XI.—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
MONTGOMERY—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—SEVERN—Left Bank Tributaries. 479 sq. mi.								
D Berriew (Brithdir Hall)	F. E. Marston, Esq.	5	2 0	350	30·7	40·55	185	154
D Welshpool (County School)	John Ward, Esq.	5	1 0	254	30·1	39·10	192	161
D Welshpool (Fron Llwyd)	Major G. B. D. Harrison	5	1 3	500	33·7	46·44	226	183
D Llandysilio Rectory	Rev. H. G. Dickinson	5	1 0	250	..	35·67	184	155
D Lake Vyrnwy	J. E. Bradley, Esq.	5	0 7	770	54·0	70·60	193	187
Lake Vyrnwy (Bryn Gwyn)	Col. J. R. Davidson, C.E.	8	1 0	1311	..	68·27	..	..
D Lake Vyrnwy (Bank Cynon Isaf)	Col. J. R. Davidson, C.E.	8	1 0	750	55·3	66·78	228	190
Lake Vyrnwy (Ty Uchaf)	Col. J. R. Davidson, C.E.	8	1 0	860	..	69·28	..	..
Lake Vyrnwy (Heol-y-ffridd) 1	Col. J. R. Davidson, C.E.	8	1 0	913	..	84·75	..	..
Lake Vyrnwy (Heol-y-ffridd) 2	Col. J. R. Davidson, C.E.	8	1 0	830	..	179·97	..	..
Lake Vyrnwy (Tyn-y-ffridd)	Col. J. R. Davidson, C.E.	8	1 0	1010	..	66·81	..	..
Lake Vyrnwy (Lluestwen)	Col. J. R. Davidson, C.E.	8	1 0	1667	..	85·65	..	..
Lake Vyrnwy (Llwynrhiw)	Col. J. R. Davidson, C.E.	8	1 0	1428	..	96·63	..	..
Lake Vyrnwy (Craig-y-Gribbin)	Col. J. R. Davidson, C.E.	8	1 0	1422	..	76·70	..	..
Lake Vyrnwy (Eunant Bridge)	Col. J. R. Davidson, C.E.	8	1 0	830	..	92·94	..	..
Lake Vyrnwy (Carreg Goch)	Col. J. R. Davidson, C.E.	8	1 0	1750	..	81·82	..	..
Lake Vyrnwy (Fawnog)	Col. J. R. Davidson, C.E.	8	1 0	1315	55·7	70·10	..	..
FLINT. (Area, 256 sq. mi.)								
1.—DEE. 198 sq. mi.								
D Hanmer (Gredington)	Lady Kenyon	5	1 0	300	30·4	35·92	188	169
D Overton (Fairleigh)	Dr. B. J. E. Wright	5	1 8	220	26·8	33·76	209	169
w Buckley (Hawarden W. W.)	W. Simmons, Esq.	5	1 0	540	28·7	35·09	..	..
D Hawarden (County School.)	A. Lyon, Esq.	5	0 9	280	27·2	32·96	208	152
D Mold (Mount Pleasant)	R. F. Baker, Esq., C.E.	5	1 0	503	..	38·59	210	178
D Northop (Soughton Hall)	Sir John Bankes	5	1 0	418	32·1	41·21	180	170
D Cilcain (Cilcen Hall)	W. B. Yates, Esq., C.B.E.	5	1 0	680	29·7	40·37	194	150
D Connah's Quay	R. F. Baker, Esq., C.E.	5	1 0	21	..	31·93	201	148
D Hawarden Bridge	Messrs. J. Summers & Sons	8	1 3	22	24·3	32·35	201	162
D Sealand* Aerodrome (+A)	The Meteorological Office	8	1 0	16	26·0	33·65	207	161
D Mostyn Vicarage	Rev. W. Vaughan-Jones	5	1 0	100	33·2	39·27	212	161
2.—CLWYD. 51 sq. mi.								
d Bodfari (Nantlys)	D. F. Pennant, Esq., D.L.	5	1 5	178	27·4	34·95	..	150
D Bodfari (Cae Gwyn)	Mrs. Morgan	5	1 0	534	30·8	33·83	209	170
Dyserth Castle	J. B. Price, Esq.	5	0 6	350	..	29·72	..	..
D Rhyl (Sewage Works)	A. A. Goodall, Esq.	8	1 0	30	25·3	30·41	206	151
3.—SEVERN—Left Bank Tributaries. 7 sq. mi.								
DENBIGH. (Area, 668 sq. mi.)								
1.—DEE. 278 sq. mi.								
Glynceiriog (Plas Nantyr)	C. B. C. Storey, Esq.	6	1 0	1450	..	59·32	..	..
D Chirk Castle Gardens	Lord Howard de Walden	5	1 0	630	..	42·52	187	165
D Ruabon (Trevor Hall)	E. Lloyd Edwards, Esq.	5	1 0	500	30·9	43·96	196	173
D WrexhamW.W. (Ty Mawr Res.)	J. A. Davies, Esq.	5	0 9	805	39·1	47·09	212	161
D WrexhamW.W.(PackSaddleRes,)	J. A. Davies, Esq.	5	0 9	376	32·0	40·65	234	173
D WrexhamW.W.(CaeLlwydRes.)	J. A Davies, Esq.	8	0 9	918	41·1	50·86	213	171
D WrexhamW.W.(CaeLlwydRes.)	J. A. Davies, Esq.	5	0 9	918	40·5	46·66	213	162
D Wrexham (Plas Power Coll.)	W. W. Potts, Esq.	5	22 0	517	30·1	41·52	211	161

* Formerly called Shotwick.

DIVISION XI.—MONMOUTH, WALES, AND THE ISLANDS.—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
DENBIGH—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—DEE—(*con.*).								
d Brymbo(Pentre BroughtonSchl.)	D. E. Rees, Esq.	5	1 0	680	..	37·87	..	..
d Wrexham (Beechley Road)	O. L. Jones, Esq.	2	0 6	278	..	38·07	..	..
d Llanfihangel-glyn-myfyr	R. F. Baker, Esq., C.E.	5	1 0	898	..	52·90	..	193
D R. Alwen (Alwen Dam)	R. F. Baker, Esq., C.E.	5	1 0	1189	..	58·71	230	205
D R. Alwen (Hafod-llan-isaf) No.2	R. F. Baker, Esq., C.E.	5	1 0	1172	39·2	48·13	230	196
D R. Alwen (Hafod-llan-isaf) No3	R. F. Baker, Esq., C.E.	5	1 0	1169	36·8	46·92	230	192
D Gresford (Horsley Hall Gardens)	R. H. Crockford, Esq.	5	0 10	100	..	32·07	197	161
Pentre Voelas (Nant Heilyn)	R. F. Baker, Esq., C.E.	5	1 0	1225	..	59·64	..	..
D R. Brenig (Hafod-yr-Onen)	R. F. Baker, Esq., C.E.	5	1 0	1175	..	51·37	227	202
M Nantglyn (Pant-y-maen)	R. F. Baker, Esq., C.E.	8	1 0	1320	..	74·65	..	..
M Llyn Bran	R. F. Baker, Esq., C.E.	8	1 0	1428	..	66·74	..	..
2.—CLWYD & C. 267 sq. mi.								
Derwen (Ty Cerrig)	Edgar Billson, Esq.	5	1 3	1030	..	45·05	..	..
D Pentre Celyn Council School	E. E. Davies, Esq.	5	1 0	400	30·1	41·73	202	166
d Clawdd-newydd	R. F. Baker, Esq., C.E.	5	1 0	1004	..	43·18	..	158
D Ruthin (Bodangharad)	F. S. Smith, Esq.	5	0 11	635	31·6	39·64	224	166
D Ruthin (Bwlch Tunnel)	R. F. Baker, Esq., C.E.	5	1 0	908	..	42·33	229	167
D Llangynhafal (Plâs Drâw)	Major R. Bromhead	5	1 0	419	31·1	40·75	217	183
d Gwytherin Council School	C. E. Jones, Esq.	5	1 1	730	50·1	58·37	..	..
D Denbigh (Mental Hospital)	W. Barker, Esq.	4	1 0	316	..	39·70	200	183
D Denbigh (Garn)	late W. D.W. Griffith, Esq.	5	1 0	447	32·7	41·31	220	178
d Trefnant (Trinity School)	F. Rees, Esq.	5	1 6	240	..	35·63	..	..
M Llanefydd (Rhyl W.W., S.)	O. P. Cronshaw, Esq.	5	1 0	600	..	41·74	..	..
M Llanefydd (Rhyl W.W., W.)	O. P. Cronshaw, Esq.	5	1 0	580	..	33·62	..	..
D Llanefydd (Plas Uchaf Res.)	O. P. Cronshaw, Esq.	5	1 0	485	..	37·77	210	164
D Llanefydd (Glascoed Res.)	O. P. Cronshaw, Esq.	5	1 0	360	..	37·71	207	160
St. Asaph (Wygfair)	(R)Col. H. C.Ll.Howard,D.S.O.	8	2 4	250	..	35·38	..	..
D Abergele (Sea Road)	Sydney Wilson, Esq.	5	1 0	25	28·4	35·72	206	159
D Colwyn Bay (Council Offices)	W. J. Dunning, Esq., C.E.	5	1 0	81	..	39·55	213	168
3.—CONWAY—4 sq. mi.								
D Pentre Voelas (Voelas Hall)	Mr. T. N. Dickie	5	1 6	640	..	61·57	214	189
D Bettws-y-Coed (Rhydycrena)	Mrs. G. Bovill	5	1 0	50	..	57·88	236	185
D Llanrwst (Elwydene)	W. R. Martin, Esq.	5	1 4	10	..	56·78	188	162
4.—SEVERN—Left Bank Tributaries. 47 sq. mi.								
D Llanrhaiadr-yn-Mochnant	David F. Jones, Esq.	5	1 0	512	41·2	55·65	236	186
D Llansilin (Penygwely Res.)	G. W. Lacey, Esq., C.E.	5	1 0	1095	..	50·62	214	162
MERIONETH. (Area, 661 sq. mi.)								
1.—DEE. 218 sq. mi.								
d Llanuwchllyn	O. L. Jones, Esq.	5	1 0	550	..	(73·62)	..	..
D Bala (Eryl Aran)	Mrs. Burton	8	1 0	600	54·6	68·75	218	200
Llanderfel (Palé Gardens)	Mr. G. A. Edwards	8	1 0	606	48·2	57·69	212	192
D Corwen (Rûg Gardens)	Col. R. Vaughan Wynn	8	1 2	600	..	43·69	237	186
2.—CLWYD. 7 sq. mi.								
3.—GLASLYN. 92 sq. mi.								
* D Minffordd (Hafod-Cae-Maen)	G. H. C. Haigh, Esq.	5	1 0	100	50·5	61·70	245	195
D Tan-y-bwlch (Gelligrin)	J. Roberts, Esq.	5	0 9	10	..	60·71	235	196
D Tan-y-bwlch (Plas Gardens)	Mr. F. W. Dawe	5	1 0	55	..	80·69	249	204
d Tan-y-bwlch (Dol-y-Moch)	Mrs. Howland Jackson	5	0 6	55	..	77·09	..	..
D Festiniog (Hafod Fawr)	Office of Woods	8	1 0	900	74·6	92·76	242	222
D Blaenau Festiniog (Oakeley Q.)	J. Lloyd Humphreys, Esq.	5	0 10	1100	97·1	130·14	232	212
D Blaenau Festiniog(Llechwedd Q.)	Messrs. J.W.Greaves & Sons	5	1 0	700	..	130·46	264	221

* Formerly called Penrhyndeudraeth.

DIVISION XI.—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
MERIONETH—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—MAWDDACH & C. 262 sq. mi.								
D Towyn (Ynys-y-Maengwyn)	R. Corbett, Esq.	5	1 0	14	..	50·73	219	177
D Towyn (Bronffynnon)	Dr. T. Henry Jones	5	1 0	180	44·2	47·55	221	138
D Towyn (Peniarth)	Mrs. Wynne	8	1 0	25	..	57·36	220	168
D Tal-y-llyn Rectory	Rev. J. Pryce Jones	5	1 0	280	..	84·11	221	187
D Dolgelly (Dol'rhyd)	Col. P. H. Enthoven, D.L.	5	0 9	100	..	70·50	234	198
D Dolgelly (Bryntirion)	E. P. Beale, Esq.	5	0 10	50	58·8	73·05	234	202
Dyffryn (Berwyn Garage)	J. Griffiths, Esq	5	1 0	120	..	53·48	..	..
D Trawsfynydd Camp	E. Jones, Esq.	5	1 0	800	67·0	80·38	195	188
5.—DOVEY. 82 sq. mi.								
d Aberdovey (Plas Penhelig)	J. M. Howell, Esq., D.L.	5	1 0	120	..	51·77	..	..
d Pennal (Talgarth Hall)	Owen D. Jones, Esq.	5	1 0	125	..	68·82	..	188
Dinas Mawddwy (Dol. Hall)	Sydney Wilson, Esq.	5	1 0	250	65·2	101·75	..	..
6.—SEVERN—Left Bank Tributaries.								
CARNARVON. (Area, 572 sq. mi.)								
1.—BARDSEY ISLAND.								
2.—CONWAY & C. 146 sq. mi.								
M Lake Cowlyd (Llethyr Gwyn)	C. F. Farrington, Esq., C.E.	5	1 0	1700	..	112·42	..	..
M Lake Cowlyd (Gors-y-Llithrig)	C. F. Farrington, Esq., C.E.	5	1 0	1900	..	(95·05)	..	..
M Lake Cowlyd (Ffrith Fawr)	C. F Farrington, Esq., C.E.	5	1 0	1700	..	92·79	..	..
M L. Cowlyd (Ffrith Carreg Wen)	C. F. Farrington, Esq., C.E.	5	1 0	1168	..	97·67	..	..
D Trefriw Wells	C. P. Adamson, Esq.	5	1 0	25	..	57·99	187	163
D Lake Eigiau (Dam Site) (+A)	N. Wales Power Co., Ltd.	5	1 5	1244	83·9	87·84	236	202
W Llanbedr-y-Cennin (Plasdulyn)	W. T. Ward, Esq., C.E.	8	1 0	509	..	73·84	..	..
D Tyn-y-Groes (Dolerwm)	R. S. Fisher, Esq.	5	1 0	100	..	56·43	210	183
D Tyn-y-Groes (Roe Wen)	Albert Wilson, Esq.	5	1 0	140	..	55·40	238	187
d Conway (Castle Bank)	Ministry of Agric. & Fisheries	5	1 0	50	..	38·87	..	..
Deganwy (Y Berlfa)	Willoughby Gardner, Esq.	5	1 0	35	..	38·33	..	..
D Llandudno (Glanwydden School)	Thomas Roberts, Esq.	5	2 0	28	28·7	37·92	199	145
D Llandudno	E. R. Williams, Esq.	5	1 0	13	..	34·77	206	152
3.—MENAI STRAITS. 221 sq. mi.								
D Edeyrn Tydweiliog (Cefnamwlch)	C. A. Thomas, Esq.	5	1 0	300	..	47·41	201	176
D Madryn Castle (Farm School)	J. Hines, Esq.	5	1 0	278	39·0	53·90	236	189
Llanaelhaiarn (Cl. School)	J. Hughes, Esq.	5	1 0	300	51·6	62·70	..	..
d Llanllyfni (Bryn Aerau Sch.)	Ll. Parry, Esq.	5	1 0	150	47·6	50·37	..	..
D Pen-y-groes (Nebo School)	Elias Thomas, Esq.	5	1 0	700	73·6	77·71	207	177
Nantlle (Dorothea Quarries)	W. J. Griffith, Esq.	8	60 0	350	..	73·41	..	..
Llandwrog (Glynllivon Park)	Hon. F. G. Wynn	5	1 0	100	44·7	46·04	..	..
D Llandwrog (Glynllivon Nursery)	Hon. F. G. Wynn	5	1 0	90	..	50·56	203	157
Llandwrog (Glynllivon Garden)	Hon. F. G. Wynn	5	1 0	100	..	46·90	205	166
Llandwrog (Glynllivon Fort)	Hon. F. G. Wynn	5	1 0	200	..	51·07	..	..
D Bettws Garmon	Rev. T. C. V. Bastow	5	1 0	414	64·4	81·20	218	187
Carnarvon (Belan Fort)	Hon. F. G. Wynn	5	1 0	15	33·9	38·30	..	..
Lake Ogwen	R. Hughes, Esq.	5	1 0	1006	..	120·60	..	..
D Llanbeblig (Cefn Rhos)	Miss A. Preece	8	1 0	..	..	49·55	220	168
Llanberis (Brynrefail School)	Gwilym Jones, Esq.	6	1 0	360	56·5	59·22	..	..
d Llanberis (Llandinorwig School)	John Roberts, Esq.	5	1 3	850	59·4	77·93	..	..
D Bethesda (St. Ann's Vicarage)	Rev. Canon W. Morgan	5	1 6	500	59·8	70·07	234	189
D Bethesda (Penrhyn Quarries)	W. D. Hobson, Esq.	8	1 0	527	65·8	77·43	233	199
D Bangor (Penrhyn Castle Gdns.)	Mr. J. Kneller	5	1 0	150	..	45·85	203	182
D Bangor (Town Hall)	Water Engineer & Surveyor	8	1 6	50	..	47·45	191	167
D Aber (University Coll. Farm)	Prof. R. G. White	5	1 0	80	..	47·94	184	169
D Llanfairfechan	Mr. W. Timmins	5	1 0	103	37·9	44·52	188	164
d Penmaenmawr (Council Offices)	J. Parry-Hughes, Esq.	5	1 4	60	..	(42·96)	..	..
D Penmaenmawr (Glan-y-Coed)	W. H. Brady, Esq.	5	2 6	100	..	45·58	207	179

DIVISION XI.—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
	CARNARVON—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—ERCH & C. 155 sq. mi.								
D	Abersoch	Lady Winterbotham	8	1 0	100	44·3	48·58	213	182
	Pwllheli (Bodfean Hall)	Hon. F. G. Wynn	5	1 0	180	43·7	48·89	..	..
D	Pwllheli (Bodfean Hall Gdns.)	Hon. F. G. Wynn	5	3 9	180	43·2	48·60	204	178
	5.—GLASLYN. 50 sq. mi.								
D	Portmadoc (Wern)	R. M. Greaves, Esq.	5	1 0	90	..	61·92	238	186
	Beddgelert (Co. School)	D. Jones, Esq.	5	1 2	133	..	96·31	..	..
	Snowdon (Wenallt)	No. 6 N. Wales Power Co., Ltd.	5	1 2	1050	..	153·51	..	..
D	Snowdon (Cwm Dyli)	No. 11 N. Wales Power Co., Ltd.	5	1 0	310	117·9	146·13	251	221
	Snowdon (Cwm Dyli, Old Rd.)	14 N. Wales Power Co., Ltd.	5	0 10	325	..	133·99	..	..
	Snowdon (Llewedd)	No. 2 N. Wales Power Co., Ltd.	5	1 3	1485	..	129·47	..	..
M	Snowdon (Delta)	No. 7 N. Wales Power Co., Ltd.	5	1 0	1435	..	189·41	..	..
M	Snowdon (Glaslyn)	No. 3 N. Wales Power Co., Ltd.	5	0 8	2050	..	167·39	..	..
M	Snowdon (Teyrn)	No. 1 N. Wales Power Co., Ltd.	5	1 0	1080	..	167·79	..	..
d	Snowdon (Llydaw Intake)	No. 10 N. Wales Power Co., Ltd.	5	1 0	1480	..	170·15	(245)	(233)
d	Snowdon (L. Llydaw Copper M.)	9 N. Wales Power Co., Ltd.	5	1 5	1480	..	176·89	(251)	(236)
M	Snowdon (Llyn Llydaw)	No. 5 N. Wales Power Co., Ltd.	5	1 0	1470	..	148·17	..	..
M	Snowdon (Crib Goch)	No. 8 N. Wales Power Co., Ltd.	5	1 3	2340	..	198·87	..	..
	ANGLESEY. (Area, 275 sq. mi.)								
D	Llangadwaladr (Bodorgan)	Mr. W. Pilgrim	5	1 0	100	37·5	39·86	192	157
	Llanfaelog	H. S. Lowe, Esq.	5	1 0	50	32·0	34·73	..	..
D	Llangefni (Fronheulog)	A. H. Withinshaw, Esq.	5	1 0	125	..	41·47	180	160
	Beaumaris (Fryars)	Mrs. Burton	10	2 0	20	37·4	46·74	..	..
D	Llangwllog (Trescawen)	Mrs. Pritchard-Rayner	5	1 0	239	42·2	45·98	209	176
D	Bodedern (Presaddfed)	Lt.-Col. W. A. Fox-Pitt	5	1 0	150	38·9	46·15	215	178
D	Holyhead (Salt Island)	(+A) The Meteorological Office	8	1 0	25	34·8	38·56	197	148
D	Llanerchymedd Llwydiarth Esgb.	Miss Prichard	5	1 0	175	38·1	43·90	206	170
D	Penrhosllighwy School	T. Rowlands, Esq.	5	3 0	140	39·9	43·06	190	159
D	Lligwy	Lord Boston	6	1 0	170	34·6	39·97	195	156
D	Amlwch (Dyffryn Adda)	Major T. Fanning Evans	5	1 3	178	36·3	42·87	203	163
	ISLE OF MAN. (Area, 227 sq. mi.)								
D	Castletown (Langness)	Com'rs. of N. Lighth's	5	1 9	38	..	33·35?	201	142
	Santan Vicarage	Rev. R. Jones	5	1 0	245	..	40·19	188	150
D	Douglas (Borough Cemetery)	H. A. Bridge, Esq.	8	1 0	284	41·2	48·44	220	172
D	Douglas (Clypse Res., Onchan)	Alan Boothman, Esq., C.E.	8	1 0	440	43·9	49·51	229	168
D	Baldwin Reservoir	Alan Boothman, Esq., C.E.	8	0 8	480	..	56·58	225	178
d	Maughold Head	Com'rs. of N. Lighth's.	5	0 6	230	..	33·57?	..	147
D	Ramsey (Town Hall)	G. W. Kewin, Esq.	8	15 0	18	..	48·49	213	147
D	Ramsey (North Promenade)	G. W. Kewin, Esq.	5	1 0	5	..	47·47	209	157
	CHANNEL ISLANDS. (Area, 76 sq. mi.)								
	JERSEY. 45 sq. mi.								
D	St. Heliers (Harbour Office)	Harbour Master	8	0 10	28	..	37·18	188	147
D	St. Helier's (St. Louis Obs.)	Rev. C. Burdo, S.J.	8	5 9	180	30·4	36·76	196	149
D	St. Brelade (La Sergenté)	J. E. Le Boutillier, Esq.	5	1 4	194	..	34·42	199	151
D	St. Aubins (Belle Vue)	C. J. Sumner, Esq.	5	1 2	220	..	38·13	207	153
D	St. Saviours (Beauvoir)	Capt. G. T. Robin	5	0 10	200	..	39·66	205	161
D	St. Lawrence (Little Grove)	R. E. B. Voisin, Esq.	5	1 0	60	..	39·93	200	154
D	Millbrook (St. Helier W.W.)	A. J. Jenkins, Esq., C.E.	5	0 11	53	..	40·42	199	153
D	St. Ouen's Manor	R. Malet de Carteret, Esq.	5	2 6	270	..	38·14	191	154
D	Trinity Rectory	Rev. S. J. Gruchy	5	2 6	375	..	39·18	215	161

DIVISION XI.—MONMOUTH, WALES, AND THE ISLANDS.—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
CHANNEL ISLANDS—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
GUERNSEY. 25 sq. mi.								
D St. Peter in the Wood (Hawthorns)	L. J. Nicolle, Esq.	5	1 0	100	..	32·30	194	145
D St. Martin's (Les Blanches)	B. T. Rowswell, Esq.	5	1 0	309	..	37·41	209	158
D St. Martin's Rectory	Rev. R. Coulthard	5	1 0	310	..	37·78	209	156
D St. Martin's (Hautnez)	A. A. Allain, Esq., C.E.	5	0 8	336	..	37·09	212	159
D Fort Road (La Cotte)	Major S. Carey Curtis	5	1 0	285	..	37·65	205	152
D Villiaze	A. A. Allain, Esq., C.E.	5	0 6	302	..	36·41	200	154
D St. Andrew (Vauxbelets Col.)	The Director	5	1 5	260	..	35·51	177	153
D St. Peter Port (Wireless Station)	Meteorological Office	8	1 0	295	..	36·98	221	158
D St. Peter Port (Grange Road)	H. Vere Miles, Esq.	5	1 0	175	33·2	40·27	208	160
D St. Peter Port (Market Street)	B. T. Rowswell, Esq.	5	52 8	99	..	39·73	209	160
D Castel (King's Mills)	A. A. Allain, Esq., C.E.	5	2 0	47	..	36·09	196	147
D Rohais (Colborne Villa)	T. J. Guilbert, Esq., C.E.	5	1 0	116	..	37·69	212	156
D Menheniot Vineries	Major H. Roper	5	1 1	97	..	40·61	205	165
SARK. 2 sq. mi.								
D Pointe Robert	B. T. Rowswell, Esq.	5	1 0	214	..	36·10	190	161
HERM. 1 sq. mi.								
D Herm	Sir Percival Perry	5	1 3	8	..	34·18	191	142
ALDERNEY. 3 sq. mi.								
D St. Anne (Gros Nez House)	B. T. Rowswell, Esq.	5	1 0	214	..	38·26	186	147

SCOTLAND.

DIVISION XII.—SOUTHERN COUNTIES.

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
WIGTOWN. (Area, 488 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—LOCH RYAN. 46 sq. mi.								
Loch Ryan Lighthouse	Com'rs. of N. Lighths's	5	1 3	10	..	45·36	190	162
2.—WESTERN GALLOWAY. 44 sq. mi.								
D Logan House	K. McDouall, Esq.	8	1 0	80	..	43·93	248	169
Corsewall	Com'rs. of N. Lighths's	8	4 1	48	..	44·47	192	181
3.—LUCE BAY. 186 sq. mi.								
D Whithorn (Physgill)	F. B. Hopkins, Esq.	5	1 0	170	..	40·99	222	166
D Whithorn (Glasserton)	Adm. Johnston Stewart, C.B.	5	1 0	225	..	43·36	214	166
D Port William (Monreith)	Major R. F. Brebner	5	0 5	145	..	43·46	216	175
D Stoneykirk (Ardwell House)	Sir E. Orde Stewart, Bt.	8	3 0	65	36·3	42·74	228	169
4.—CREE & WIGTOWN BAY. 212 sq. mi.								
Garliestown (Galloway House)	Capt. McEachran	5	1 6	30	39·1	46·93	..	..
D Kirkcowan (Craighlaw)	Major W. M. F. Hamilton	5	0 9	300	..	55·82	234	195
KIRKCUDBRIGHT. (Area, 902 sq. mi.)								
1.—DOON. 16 sq. mi.								
2.—CREE & WIGTOWN BAY. 222 sq. mi.								
D Borgue (Knockbrex)	J. Douglas Brown, Esq.	5	1 0	10	..	44·45	226	176
3.—DEE. 377 sq. mi.								
Little Ross Lighthouse	Com'rs. of N. Lighthouses	8	4 8	136	..	37·84	172	154
D Mossdale (Hensol)	Mrs. Cuninghame	8	1 0	200	..	58·78	253	186
D Dalry (Glendarroch)	Miss M. Barbour	5	0 11	192	54·5	60·99	238	191
D Dalry (Garroch)	Arthur Young, Esq.	8	1 3	250	..	66·24	223	187
d Dalry (Forrest Lodge)	Sir John Wood, Bart., M.P.	5	1 0	500	..	69·29	231	206
D Carsphairn (Shiel)	Mr. S. Wilson	5	1 0	850	..	83·02	241	218
D Carsphairn (Knockgray)	Miss Clark Kennedy	8	1 0	641	..	59·78	232	188
4.—URR & C. 196 sq. mi.								
Auchencairn (Torr House)	Thomas Ovens, Esq.	5	1 0	50	47·1	55·37	..	..
D Dalbeattie (Kirkennan)	Wellwood Maxwell, Esq.	5	0 9	30	..	57·93	222	167
D Dalbeattie (Drumstinchall)	Mrs. R. F. Hanbury	8	0 11	400	..	54·66	221	185
5.—NITH & C. 91 sq. mi.								
d Dumfries (Cargen)	Col. R. F. Dudgeon	5	0 10	85	44·8	55·79	..	..
D Lochrutton (Dumfries W.W.)	J. Smellie, Esq.	5	1 0	273	..	55·72	257	180
D Dumfries (Lincluden House)	Miss P. A. Young, M.B.E.	5	1 0	60	..	53·19	211	174

DIVISION XII.—SOUTHERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with .01 in. or more.	Days with .04 in. or more.
DUMFRIES. (Area, 1074 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—CLYDE—Right Bank Tributaries. 5 sq. mi.								
2.—URR. 6 sq. mi.								
3.—NITH & C. 421 sq. mi.								
D Ruthwell (Comlongon Castle)	Earl of Mansfield	5	1 0	67	..	39·53	208	160
D Mouswald (Schoolhouse)	Jas. F. Young, Esq.	8	0 9	116	..	56·36	226	190
D Dumfries (Crichton Roy. Inst.)	C. C. Easterbrook, Esq., M.D.	5	1 0	140	36·8	45·58	212	151
D Moniaive (Glencrosh)	Miss Macmillan	5	1 1	400	..	57·38	230	188
d Moniaive (Maxwelton House)	Sir Claude V. E. Laurie, Bt.	5	1 3	400	..	54·39	..	..
4.—ANNAN. 367 sq. mi.								
Dalton (Whitecroft)	W. Maitland-Heriot, Esq.	5	0 6	240	..	49·33	215	187
D Moffat (St. Ninians)	J. C. Rowley, Esq.	8	1 6	400	..	55·45	241	179
D Dalton (Kirkwood)	Captain Steel	5	0 8	245	..	53·77	255	182
D Lockerbie (Castle Milk)	Mr. David McIntosh	5	0 9	199	..	48·35	200	159
M Lockerbie (Thornbank)	W. Murdoch, Esq.	10	3 0	259	..	42·50	..	..
D Lochmaben (Esthwaite)	W. J. Halliday, Esq., M.B.E.	5	1 0	166	..	52·18	233	183
5.—ESK. 275 sq. mi.								
M Canonbie (Byreburnfoot)	Mr. David Crabbe	3	0 9	160	42·1	50·25	..	..
D Canonbie (Irvine House)	J. H. Milne Home, Esq.	5	0 9	200	..	53·96	231	180
d Langholm (Broomholm)	W. C. Everley Taylor, Esq.	5	1 0	266	..	(52·38)	(221)	(182)
D Langholm (Drove Road)	Mrs. Jackson	5	0 9	270	..	58·58	192	172
Langholm (Ewes)	Mrs. Lyall	5	1 0	445	..	57·79	..	..
D Eskdalemuir Observatory (+A)	The Meteorological Office.	8	1 4	794	..	68·80	244	190
ROXBURGH. (Area, 666 sq. mi.).								
1.—NORTH TYNE. 6 sq. mi.								
2.—TWEED LOWER—Right Bank Tributaries. 57 sq. mi.								
D Kelso (Lempitlaw)	J. Stirling, Esq.	5	1 0	635	..	34·27	197	152
3.—TWEED—Teviot & c. 431 sq. mi.								
d Hawick (Wolfelee)	Mrs. Browne	5	0 10	537	37·6	43·58	242	166
d Hawick (Branxholm)	C. W. Grieve, Esq.	5	0 6	457	33·4	36·53	218	162
D Roberton Manse	Rev. A. E. McInnes, M.A.	5	2 0	730	..	40·21	195	159
D Denholm (Spital Tower)	T. G. Leadbetter, Esq.	5	0 9	410	..	36·82	231	156
D Jedburgh (Jedneuk)	T. Yool, Esq.	5	1 0	271	..	30·76	190	142
D Ancrum (Monteviot)	Bertram Talbot, Esq.	5	2 6	250	..	33·02	205	157
d St. Boswells (The Fens)	J. J. Fairbairn, Esq.	5	1 6	260	28·0	29·84	..	126
W St. Boswells (Monksford)	Lt.-Col. A. Mitchell	5	0 11	320	..	33·49	..	..
d Kelso (Springwood Park)	Mr. W. Chaplin	5	1 0	130	..	29·62	..	133
4.—TWEED—Ettrick & c. 10 sq. mi.								
D Melrose (Asylum) *gauge* A	T. C. Mitchell, Esq.	5	0 6	480	..	37·90	221	141
D Melrose (Asylum) *gauge* B	T. C. Mitchell, Esq.	5	1 0	480	..	36·11	221	141
5.—TWEED—Gala. 6 sq. mi.								
6.—TWEED—Leader & c. 25 sq. mi.								
D Melrose (Drygrange)	A. T. Roberts, Esq.	5	1 0	360	..	32·26	208	139
7.—TWEED, LOWER—Left Bank Tributaries. 25 sq. mi.								
D Kelso (Broomlands)	J. C. Scott, Esq.	5	1 0	195	26·0	29·39	205	131
8.—ESK. 106 sq. mi.								
Newcastleton Forest	Forestry Commission	5	1 0	700	..	56·68	..	..

DIVISION XIII.—SOUTH-EASTERN COUNTIES.

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
SELKIRK: (Area, 268 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in*		
1.—TWEED—Teviot & c. 34 sq. mi.								
d Selkirk (Whitmuir Hall)	Major A. G. Cowan	5		800	..	41·28	..	..
2.—TWEED—Ettrick & c. 192 sq. mi.								
D Ettrick Manse	Rev. A. Horn	5	1 0	796	..	65·14	244	200
M Edinburgh W.W.(Meggat Hd.)	Messrs. Leslie & Reid, C.E.	5	1 3	1496	..	61·24	..	..
Selkirk (Lindean Reservoir)	S. Pittillo, Esq.	5	1 0	900	..	(40·44)	..	..
3.—TWEED, UPPER—Right Bank Tributaries. 17 sq. mi.								
4.—TWEED, UPPER—Left Bank Tributaries. 19 sq. mi.								
D Caddonfoot (Fairnilee)	Alex. F. Roberts, Esq.	5	1 0	450	..	42·70	209	159
Galashiels (The Peel Clovenfords)	W. R. Ovens, Esq.	5	1 6	450	..	43·87	..	..
5.—TWEED—Gala. 6 sq. mi.								
D Galashiels (Abbotsford Road)	Dr. J. W. Somerville	5	0 9	416	31·7	40·33	209	141
PEEBLES. (Area, 348 sq. mi.)								
1.—TWEED, UPPER—Right Bank Tributaries. 127 sq. mi.								
M Edin. WW (Ravenscraig). 3	Messrs. Leslie & Reid, C.E.	5	1 3	2258	..	74·12	..	..
M Edin. WW (Gameshope Loch) .4	Messrs. Leslie & Reid, C.E.	5	1 3	1860	..	78·30	..	..
M Edin. WW (Loch Craig Head) .2	Messrs. Leslie & Reid, C.E.	5	1 0	2627	..	67·25	..	..
M Edin. WW (Gameshope Farm).5	Messrs. Leslie & Reid, C.E.	5	1 3	1538	..	73·03	..	..
M Edin. WW (Talla Linns Foot) .6	Messrs. Leslie & Reid, C.E.	8	1 3	966	..	65·67	..	..
M Edin. WW (Quarter Hill).... .7	Messrs. Leslie & Reid, C.E.	8	1 3	1196	..	54·77	..	..
D Edin. WW (Victoria Lodge) ...8	Messrs. Leslie & Reid, C.E.	5	1 3	900	..	56·65	236	185
2.—TWEED, UPPER—Left Bank Tributaries. 192 sq. mi.								
D Stobo Castle	Major J. Ainslie	5	1 0	594	34·9	44·56	231	175
D Dolphinton (Castlecraig)	late James Mann, Esq.	5	0 10	820	33·6	43·93	228	178
D West Linton (Woodlea Cottage)	Messrs. Leslie & Reid, C.E.	5	1 0	801	..	43·53	254	184
D West Linton (Taieri)	W. Mackie, Esq.	5	1 0	770	..	45·76	282	179
3.—ESK. 23 sq. mi.								
D Eddlestone (Portmore Res.)	Messrs. Leslie & Reid, C.E.	11	1 0	1000	..	42·48	239	171
M Carlops (North Esk Res.)	Mr. W. Nimmo Tod	5	1 0	1150	..	45·97	..	..
4.—CLYDE—Right Bank Tributaries. 6 sq. mi.								
BERWICK. (Area, 457 sq. mi.)								
1.—TWEED—Gala. 6 sq. mi.								
2.—TWEED—Leader. 92 sq. mi.								
D Earlston (Cowdenknowes)	Mr. T. J. Fleming	5	1 2	300	..	36·28	188	145
M Lauder (Burncastle)	J. G. S. Turnbull, Esq.	5	1 0	900	..	40·32	..	..
M Earnscleugh Burn (Blythe Rig)	J. G. S. Turnbull, Esq.	5	1 0	1200	..	50·59	..	..
3.—TWEED. LOWER—Left Bank Tributaries. 115 sq. mi.								
Coldstream (Lochton)	J. Aitchison, Esq.	5	1 0	151	..	32·58	..	..
D Coldstream (The Hirsel)	Mr. D. Black	5	1 4	130	25·6	31·95	182	136
D Swinton House *Snowdon* (+ A)	Rev. A. E. Swinton	5	1 0	200	..	33·02	190	137

DIVISION XIII.—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
BERWICK—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—TWEED—Whiteadder. 164 sq. mi.								
D Marchmont House	Mr. Peter Ross	5	1 0	498	32·2	40·56	242	158
D Duns (Nisbet House Gdns.)	Mr. W. Cowieson	5	1 0	290	..	36·42	244	141
D Duns (Oxendean)	A. C. Fraser, Esq.	8	0 7	600	..	38·55	228	150
D Duns Castle	F. S. Hay, Esq.	5	1 0	500	..	37·34	224	148
D Duns (Manderston)	Mr. F. J. Marshall	5	1 6	356	..	37·80	178	150
West Foulden	J. Hewat Craw, Esq.	5	1 0	250	25·5	31·53	..	..
5.—EAST COAST STREAMS. 80 sq. mi.								
St. Abb's Head	Com'rs. of N. Lighths's.	8	5 6	212	23·6	31·25	..	..
HADDINGTON. (Area, 267 sq. mi.)								
1.—TWEED—Leader. 1 sq. mi.								
2.—TWEED—Whiteadder. 35 sq. mi.								
3.—EAST COAST STREAMS. 69 sq. mi.								
Garvald (Donolly Reservoir)	A. Robertson, Esq., C.E.	5	1 0	500	..	38·25	..	..
M Garvald (Thorter Reservoir)	A. Robertson, Esq., C.E.	5	1 0	700	..	38·60	..	..
Barnsness Lighthouse	Com'rs. of N. Lighths's.	5	1 2	20	..	23·13?	..	..
D Dunbar (Belhaven Hill)	W. Ingham, Esq.	..	..	..	..	32·36	228	150
4.—TYNE & C. 114 sq. mi.								
W Lammermuir H. (West Hopes)	J. Ross, Esq., C.E.	5	1 0	736	..	46·35	..	..
W LammermuirH.(StobshielRes.)B	J. Ross, Esq., C.E.	5	1 0	950	..	42·74	..	..
W LammermuirH.(Stobshiel Res.)A.	J. Ross, Esq., C.E.	5	1 0	998	..	37·38	..	..
W LammermuirH.(LammerlochRes.)	J. Ross, Esq., C.E.	5	1 0	900	..	37·40	..	..
d Lammermuir H. (Stobshiel Fil.)	J. Ross, Esq., C.E.	5	1 0	650	..	38·25	..	..
D Prestonkirk (Smeaton)	Sir A. Buchan-Hepburn	5	1 0	100	24·9	32·91	187	157
5.—FIRTH OF FORTH. 48 sq. mi.								
D East Fortune Sanatorium	The Clerk of Works	5	1 4	101	..	31·62	183	134
D Dirleton	W. S. Curr, Esq.	5	1 6	149	..	27·46	169	118
D North Berwick Reservoir	A. Robertson, Esq., C.E.	5	1 6	150	25·4	30·17	194	141
D North Berwick (Hospital)	A. Robertson, Esq., C.E.	5	1 0	152	..	28·62	190	135
6.—INSULAR.								
Fidra	Com'rs. of N. Lighths's	..	..	..	..	26·63	..	139
MIDLOTHIAN. (Area, 369 sq. mi.)								
1.—TWEED—Gala. 68 sq. mi.								
M Stow (Cragdale)	J. Pringle, Esq.	5	0 6	642	..	40·48	..	..
2.—TYNE. 28 sq. mi.								
D Oxenfoord Castle Gardens	Mr. D. M. Welsh	5	1 2	452	..	32·62	168	134
3.—FIRTH OF FORTH. 3 sq. mi.								
4.—ESK. 116 sq. mi.								
M Moorfoot Hills (Bowbate)	Messrs. Leslie & Reid, C.E.	11	0 6	1260	..	55·35	..	..
D Moorfoot Hills (Gladhouse Res.)	Messrs. Leslie & Reid, C.E.	5	0 8	915	35·3	43·71	247	177
D Moorfoot Hills (Rosebery)	Messrs. Leslie & Reid, C.E.	4	0 9	750	..	39·42	224	160
D Moorfoot Hills (Edgelaw)	Messrs. Leslie & Reid, C.E.	4	0 10	654	..	39·07	224	159
D Gorebridge (Deanbank)	A. Wilson Spalding, Esq.	5	1 0	500	..	36·81	259	162
M Pentland Hills (Harehill)	Messrs. Leslie & Reid, C.E.	11	1 7	1297	..	47·51	..	..
D Pentland Hills (Martyrs Cross)	Messrs. Leslie & Reid, C.E.	5	1 0	750	..	44·24	226	168
D Pentland Hills (Loganlea)	Messrs. Leslie & Reid, C.E.	5	1 0	811	..	44·60	211	158

DIVISION XIII.—SOUTH-EASTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
	MIDLOTHIAN—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—ESK—(*con.*)								
D	Pentland Hills (Glencorse Fil.)	Messrs. Leslie & Reid, C.E.	5	1 0	638	..	42·12	210	162
D	Pentland Hills (Glen Cottage)	Messrs. Leslie & Reid, C.E.	5	1 2	739	..	47·36	211	167
D	Milton Bridge (Bush)	J. S. Abernethy, Esq.	5	1 0	600	..	42·20	209	169
D	Newbattle (Public School)	W. Fowler, Esq.	5	4 3	300	..	33·64	170	128
	Musselburgh (Pinkieburn)	Mr. G. Wright	5	1 2	50	..	31·09	..	..
	5.—ALMOND & C. 153 sq. mi.								
D	Pentland Hills (Crosswood)	Messrs. Leslie & Reid, C.E.	5	1 0	950	..	47·90	248	181
D	Pentland Hills (Harperrig)	Messrs. Leslie & Reid, C.E.	5	1 0	900	..	49·72	241	175
D	Pentland Hills (Morton)	Messrs. Leslie & Reid, C.E.	5	1 0	749	..	45·58	253	172
d	West Calder (Addiewell)	Scottish Oils, Ltd.	12	21 0	620	35·7	45·14	221	164
D	Pentland Hills (Boghall)	(+A) College of Agriculture	8	1 0	646	..	41·63	220	176
D	Pentland Hills (Harlaw Res.)	Messrs. Leslie & Reid, C.E.	5	1 0	800	..	41·89	218	160
M	Pentland Hills (Bonally Res.)	Messrs. Leslie & Reid, C.E.	11	0 6	1112	..	47·50	..	..
D	Pentland Hills (Clubbiedean Rs.)	Messrs. Leslie & Reid, C.E.	4	0 6	773	..	42·23	229	151
M	Pentland Hills (Swanston)	Messrs. Leslie & Reid, C.E.	5	0 6	550	..	37·38	..	..
D	Pentland Hills (Fairmilehead)	Messrs. Leslie & Reid, C.E.	5	1 0	590	..	38·33	189	140
D	Liberton (Alnwick Hill)	Messrs. Leslie & Reid, C.E.	5	1 0	407	..	35·95	189	137
D	Colinton (Firhill Tank)	Messrs. Leslie & Reid, C.E.	5	0 6	412	..	36·28	201	134
D	Liberton (College Garden)	College of Agriculture	5	1 0	190	..	34·99	190	141
D	Liberton (The Inch)	(R) Sir R. G. Gilmour, Bart.	8	2 9	60	..	34·55	202	126
D	Edinburgh (Royal Observatory)	Prof. R. A. Sampson, F.R.S.	8	1 0	441	24·7	34·44	205	147
D	Edinburgh (Napier Road)	A. Harrison, Esq.	5	1 0	300	..	35·15	204	138
D	Edinburgh (The Academy)	M. McC. Fairgrieve, Esq.	5	1 0	70	..	34·52	205	141
D	Edinburgh (Univ. Engin. Lab.)	Prof. Sir T. Hudson Beare	5	1 0	227	26·0	34·78	197	142
D	Edinburgh (St. Roque)	Mr. H. B. Waugh	5	0 10	270	..	33·67	201	138
D	Edinburgh (City Observatory)	J. McDougal Field, Esq.	8	1 0	348	..	33·38	199	147
D	Edinburgh (Royal Botanic Gd.)	Prof. W. Wright-Smith	8	0 10	74	..	34·93	190	136
D	Davidson's Mains (Broomfield)	J. I. Balfour-Melville, Esq.	5	0 10	42	..	32·26	183	127
	6.—CLYDE—Right Bank Tributaries. 1 sq. mi.								
	LINLITHGOW. (Area, 120 sq. mi.).								
	1.—ALMOND & C. 60 sq. mi.								
M	Uphall No. 7	Messrs. Leslie & Reid, C.E.	8	1 4	790	..	41·74	..	..
M	Uphall No. 8	Messrs. Leslie & Reid, C.E.	8	1 4	577	..	40·26	..	..
M	Uphall No. 6	Messrs. Leslie & Reid, C.E.	8	1 4	680	..	40·77	..	..
M	Uphall No. 3	Messrs. Leslie & Reid, C.E.	8	1 2	711	..	41·61	..	..
D	Uphall (Bangour Asylum)	Col. J. Keay	5	1 0	587	..	36·43	225	146
d	Uphall	Scottish Oils, Ltd.	8	0 10	380	..	39·84	..	..
	Winchburgh (Hopetoun Oil Wks.)	Scottish Oils, Ltd.	8	7 10	319	..	33·67	..	..
D	Dalmeny House	Mr. D. T. Johnston	5	1 0	50	..	33·16	189	141
	2.—FORTH—Right Bank Tributaries. 59 sq. mi.								
D	Bathgate (Filters) No. 1	A. L. Reid, Esq.	5	0 9	640	..	43·13	188	148
M	Bathgate (Petershill Res.) No. 2	A. L. Reid, Esq.	5	0 9	710	..	41·00	..	..
M	Bathgate (Ballencrieff R.) No. 3	A. L. Reid, Esq.	5	0 9	800	..	40·90	..	..
M	Torphichen (Lochcote)	Wm. Beattie, Esq.	5	0 4	550	..	40·37	..	..
D	Uphall (Beecraigs)	Messrs. Leslie & Reid, C.E.	..	..	531	..	39·41	187	152
M	Carribber Reservoir	Wm. Beattie, Esq.	5	0 4	400	..	41·10	..	..
D	Linlithgow (Grange)	H. M. Cadell, Esq.	5	0 9	430	..	35·05	206	136
D	Linlithgow (Preston House)	Mr. C. Blair	5	1 0	380	..	40·42	213	159
D	Linlithgow Academy	J. Beveridge, Esq.	5	1 0	170	..	40·69	243	151
	Bo'ness (Grange School)	R. Stark, Esq.	5	0 10	80	..	38·15	..	..
	3.—CLYDE.—Right Bank Tributaries. 1 sq. mi.								

DIVISION XIV.—SOUTH-WESTERN COUNTIES.

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
LANARK. (Area, 881 sq. mi.).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—TWEED, UPPER—Left Bank Tributaries. 20 sq. mi.								
2.—ALMOND. 14 sq. mi.								
3.—FORTH—Right Bank Tributaries. 9 sq. mi.								
d Airdrie (Forrestburn Reservoir)	A. Simpson, Esq., C.E.	5	0 6	722	..	48·20	..	..
4.—CLYDE—Right Bank Tributaries. 378 sq. mi.								
d Crawford (Camps Res.)	Jas. McMillan, Esq.	11	0 10	969	..	57·80	..	188
M Coulter Reservoir ..... No. 1	L. Costley, Esq., C.E.	11	1 0	1250	..	59·10	..	..
Lamington (Cowgill Reservoir)	J. Chisholm, Esq., C.E.	5	1 0	970	..	43·87	..	..
M Biggar (Shieldhill)	Miss Dunlop	5	1 0	850	..	39·44	265	186
D Lamington House	Rt. Hon. Lord Lamington.	5	1 0	800	..	44·76	244	201
Carluke (Coldstream Reservoir)	L. Costley, Esq., C.E.	11	1 0	800	..	48·60	..	..
Wishaw (Kirk Road)	J. T. Scott, Esq.	6	1 0	480	..	38·24	..	..
Wishaw (Coronation Street)	A. Hinshelwood, Esq.	5	1 3	510	..	37·30	..	..
Glasgow (Tollcross Park)	W. Besant, Esq.	5	0 6	85	..	47·44	240	173
Glasgow Green	W. Besant, Esq.	5	0 6	35	..	45·04	245	184
Glasgow (Alexandra Park)	W. Besant, Esq.	5	0 6	141	..	45·58	229	175
Glasgow (Botanic Gardens)	W. Besant, Esq.	5	0 6	110	..	44·63	227	160
D Glasgow University	Prof. J. R. Currie, M.D.	8	1 0	139	..	44·53	230	163
Glasgow (Kelvingrove Park)	W. Besant, Esq.	5	0 6	48	..	46·36	194	180
Glasgow (Victoria Park)	W. Besant, Esq.	5	0 6	30	..	46·48	210	179
Glasgow (Ruchill Park)	W. Besant, Esq.	5	0 6	222	..	44·10	222	161
Glasgow (Springburn Park)	W. Besant, Esq.	5	0 6	352	..	49·12	245	186
Clarkston (Roughrigg Res.)	J. Chisholm, Esq., C.E.	5	1 0	661	..	41·10	..	..
D Airdrie (Broomknoll Street)	J. Chisholm, Esq., C.E.	5	1 0	402	..	42·67	206	173
D Caldercruix (Hillend Reservoir)	Mr. W. A. Ritchie	5	3 6	620	37·3	46·78	231	181
D Gartcosh (Gartloch Hospital)	Mr. James McEwen	5	1 1	291	..	46·64	232	175
5.—CLYDE—Left Bank Tributaries. 448 sq. mi.								
Elvanfoot (Potrenick Burn)	L. Costley, Esq., C.E.	11	1 0	1018	..	76·90	..	..
Elvanfoot (Peden Reservoir)	L. Costley, Esq., C.E.	11	1 0	1030	..	75·99	..	..
d Leadhills	W. B. Smith, Esq.	5	1 1	1310	..	(76·87)	..	..
D Douglas (Kilncroft)	The Earl of Home	8	1 1	696	..	49·53	220	183
D Strathaven (Glengavel Res.)	J. McMillan, Esq., C.E.	5	1 0	880	..	57·16	231	194
D Strathaven (Dungavel)	A. K. Foulis, Esq.	5	1 0	798	..	67·07	231	205
D Strathaven (Dunside Res.)	J. McMillan, Esq., C.E.	5	0 10	1010	..	54·02	225	184
d Strathaven (Kype Res.)	W. H. Purdie, Esq., C.E.	11	3 0	941	..	49·50	..	184
D Coalburn (Acretophead)	C. & A. Collieries, Ltd.	5	0 10	729	..	46·03	225	184
W Lesmahagow (Auchtyfardle)	Major T. E. Lander	5	1 0	578	..	46·26	..	..
D Strathaven (East Overton Ho.)	H. Lee Dykes, Esq.	5	1 0	700	..	53·06	200	183
D Stonehouse Sanatorium	W. A. Chapman, Esq.	5	0 7	526	..	44·10	217	175
D Stonehouse (Glassford Filters)	J. McMillan, Esq., C.E.	5	0 9	775	..	50·31	230	180
D Hamilton W. W. (Townhill)	W. H. Purdie, Esq., C.E.	7	1 0	436	35·6	45·63	213	185
D Hamilton	S. B. Becket, Esq.	5	1 0	260	..	44·07	252	169
D Busby (Thorntonhall)	A. H. Bishop, Esq.	5	1 0	440	..	49·29	239	179
D Carmunnock (Carnbooth)	R. Robertson, Esq., C.E.	5	1 0	365	..	49·24	230	177
D Cambuslang (Greenlees Filters)	J. McMillan, Esq., C.E.	5	1 0	322	..	46·72	223	168
D Glasgow (Dumbreck)	W. Gillies, Esq., Jr., LL.B.	5	1 6	76	..	45·78	221	173
Glasgow (Bellahouston Park)	W. Besant, Esq.	5	0 6	160	..	44·38	237	185
Glasgow (Elder Park)	W. Besant, Esq.	5	0 6	40	..	46·85	216	172
6.—IRVINE. 2 sq. mi.								
7.—AYR. 1 sq. mi.								
8.—NITH. 2 sq. mi.								
9.—ANNAN. 7 sq. mi.								

DIVISION XIV.—SOUTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
AYR. (Area, 1135 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—CLYDE—Left Bank Tributaries. 20 sq. mi.								
D Glengarnock (Chemical Works)	A. Shanks, Esq.	8	15 0	120	..	59·01	224	176
2.—FIRTH OF CLYDE. 60 sq. mi.								
D Stevenston (Greenhead Filters)	Gilbert Christie, Esq., C.E.	5	1 0	186	..	46·49	235	175
D Skelmorlie (West Park)	J. Wilkinson, Esq.	5	1 6	150	..	62·78	212	184
W Shaws W.W. (Kelly Dam)	J. MacAlister, Esq., C.E.	6	1 0	640	64·1	78·60	..	..
M Shaws W.W. (Knockencorsan)	J. MacAlister, Esq., C.E.	6	1 0	1040	..	79·80	..	..
3.—IRVINE & C. 283 sq. mi.								
D Monkton (Orangefield)	H. Carrick Webster, Esq.	5	1 0	30	..	38·68	201	156
Troon (Collenan Reservoir)	M. S. Brodie, Esq., C.E.	5	1 0	203	..	38·85	..	..
D Irvine (Gailes)	H. W. Aitken, Esq.	5	1 0	12	..	40·29	216	167
D Kilmarnock (Agricultural Coll.)	Prof. R. A. Berry	8	1 2	90	37·3	46·16	214	167
D Galston Higher Grade School	The Headmaster	5	1 0	250	..	43·90	208	176
D Kilmarnock (North Craig Res.)	W. Dunbar, Esq., C.E.	5	1 0	319	41·2	53·06	231	185
D Kilmarnock (Dean Castle)	A. B. Robertson, Esq., ..	5	1 0	190	..	51·21	226	186
Fenwick (Bowling Green)	W. Dunbar, Esq., C.E.	5	1 6	400	..	51·77	..	..
Craigendunton Reservoir	W. Dunbar, Esq., C.E.	5	1 0	805	..	59·88	..	..
Lochgoin Reservoir	W. Dunbar, Esq., C.E.	5	1 0	865	..	60·58	..	..
D Fenwick (Hareshaw Lodge)	W. Dunbar, Esq., C.E.	5	0 3	600	..	58·51	215	193
D Fenwick (Amlaird Filters)	W. Dunbar, Esq., C.E. ..	5	1 0	590	..	53·42	231	192
D Dalry (Munnoch Reservoir)	Gilbert Christie, Esq., C.E.	5	1 0	325	..	56·67	221	181
D Dalry (Caaf Reservoir)	Gilbert Christie, Esq., C.E.	5	1 3	515	..	59·25	221	186
D Dalry W.W. (Filters)	Mr. W. Wightman	5	1 0	320	..	45·06	225	181
M Dalry W.W. (Thirdpart)	Mr. W. Wightman	5	1 0	560	..	58·94	..	..
d Hunterston (West Kilbride)	Lt.-Gen. Sir A. Hunter-Weston, K.C.B.	5	1 0	100	..	(47·33)	..	..
M Dalry (Camphill Reservoir)	James Lee, Esq., C.E.	12	1 6	611	..	70·65	..	..
D Beith (Filter Station)	W. C. Dale, Esq.	5	6 0	415	..	55·06	218	177
4.—AYR. 222 sq. mi.								
D Ayr Cemetery	J. Young, Esq., C.E.	5	1 0	40	..	44·53	203	179
D Muirkirk (Kaimshill)	Dugald Baird, Esq.	5	2 0	750	..	53·74	233	193
5.—DOON. 119 sq. mi.								
Loch Finlas	J. Young, Esq., C.E.	5	1 0	849	..	64·29	..	..
D Dalmellington (Mossdale W.W.)	A. S. Glass, Esq.	5	1 0	764	..	49·88	230	184
D Patna (Kerse Filters)	W. Gray, Esq., C.E.	11	1 0	743	..	47·09	241	183
Maybole (Knockdon)	T. Cross, Esq.	..	..	..	..	46·44	..	..
D Ayr (Doonholm)	Lt.-Col. N. Kennedy, D.S.O.	5	1 0	90	..	45·77	210	175
6.—CULZEAN BAY & C. 32 sq. mi.								
D Turnberry (Hotel)	Mr. J. Richards	5	1 0	96	..	34·30	191	146
Turnberry Lighthouse	Com'rs. of N. Lighths's	5	2 6	40	..	39·47	170	158
D Maybole (Culzean Castle Gdns)	Mr. A. T. Harrison	8	1 3	138	36·4	44·14	198	159
7.—GIRVAN. 105 sq. mi.								
Girvan (Glendoune Gardens)	Mr. J. Simons	5	1 0	100	..	46·41	177	..
D Girvan (Sunnyside, Golf Course)	D. Macdonald, Esq.	5	1 0	27	..	39·34	189	151
Loch Bradan	M. S. Brodie, Esq., C.E.	11	1 0	991	..	65·93	..	..
D Maybole (Otterden)	Robert Cross, Esq.	5	1 3	314	..	46·04	209	177
8.—STINCHAR & C. 155 sq. mi.								
D Colmonell (Knockdolian)	Mrs. McConnell	5	1 0	170	44·8	48·00	227	171
D Girvan (Pinmore)	W. McConnell, Esq.	5	0 5	207	49·8	53·33	235	184
D Pinwherry (Alticane)	D. J. W. Gray, Esq.	5	1 0	200	..	56·98	228	180
D Barr (Alton Albany)	Lt.-Cdr. G. Hughes-Onslow, D.S.C.	5	1 6	330	..	53·18	234	186
9.—LOCH RYAN. 12 sq. mi.								
10.—LUCE BAY. 15 sq. mi.								
Ballantrae (Lagafater Lodge)	Cedric R. Boult, Esq.	5	0 11	792	..	72·03	224	211

DIVISION XIV.—SOUTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
AYR—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
11.—CREE. 40 sq. mi.								
12.—DEE. 9 sq. mi.								
13.—NITH. 62 sq. mi.								
D Glen Afton (Ayr Sanator'm)	Dr. E. E. Prest	5	1 0	850	..	58·94	212	190
D New Cumnock (Power Station)	A. L. Begg, Esq.	5	1 0	764	..	52·63	207	171
14.—INSULAR. 1 sq. mi.								
Ailsa Craig	Com'rs. of N. Lighths's	5	1 0	35	..	30·03	..	..
RENFREW. (Area, 241 sq. mi.)								
1.—CLYDE—Right Bank Tributaries. 3 sq. mi.								
2.—CLYDE—Left Bank Tributaries. 194 sq. mi.								
GorbalsDist.W.W.(NetherCairn)	G. Henshilwood, Esq.,C.E.	12	0 5	700	57·2	58·45	..	..
GorbalsDist.W.W.(Middleton)	G. Henshilwood, Esq.,C.E.	12	0 5	550	55·8	54·15	..	..
GorbalsDist.W.W.(Ryat Lynn)	G. Henshilwood, Esq.,C.E.	8	0 5	310	49·0	52·40	..	..
GorbalsDist.W.W.(Waulk Glen)	G. Henshilwood, Esq.,C.E.	12	0 5	280	47·2	52·35	..	..
Paisley W.W. (Muirhead)	James Lee, Esq., C.E.	12	1 0	482	..	67·13	..	..
Paisley W.W. (Springside)	James Lee, Esq., C.E.	12	1 0	532	..	72·32	..	..
D Lochwinnoch (Garthland)	H. Macdowall, Esq.	5	0 11	150	..	79·73	209	202
PaisleyWW(BackThornleymuir)	James Lee, Esq., C.E.	12	1 0	646	50·9	61·98	..	..
Paisley W.W. (Stanely)	James Lee, Esq., C.E.	12	1 0	190	..	50·73	..	..
D Howwood (Midtown House)	Andrew McNab, Esq.	5	1 6	231	..	65·22	218	192
Pollokshaws (Rouken Glen)	W. Besant, Esq.	5	0 6	156	..	49·97	215	181
Glasgow (The Linn Park)	W. Besant, Esq.	5	1 0	180	..	45·10	..	170
D Pollokshaws (Pollok House)	Sir J. Stirling Maxwell, Bt.	5	1 0	50	..	46·52	210	169
D Glasgow (Queen's Park)	W. Besant, Esq.	8	0 9	145	36·1	44·00	213	161
Glasgow (Maxwell Park)	W. Besant, Esq.	5	0 6	69	..	42·79	211	167
D Kilbarchan (Milliken Park)	M. Douglas Anderson, Esq.	5	1 6	75	..	59·13	215	194
D Kilbarchan (Glentyan) .. (R)	R. H. Hunter, Esq.	8	3 9	285	..	62·31	235	191
D Paisley(TheCoatsObservatory)	Observatory Committee ..	8	1 0	106	40·7	49·95	232	170
D Houston Manse	Rev. George Muir	5	1 0	103	..	58·42	228	181
Shaws W.W. (Duchall Moor)	J. MacAlister, Esq., C.E. .	6	1 0	1150	70·7	82·50	..	..
Shaws W.W. (Creuch Hill)	J. MacAlister, Esq., C.E. .	6	1 0	1350	62·9	90·50	..	..
Shaws W.W. (Green Water)	J. MacAlister, Esq., C.E. .	6	1 0	788	68·1	81·80	..	..
D Renfrew Aerodrome .... (+A)	The Meteorological Office..	8	1 0	36	36·4	45·65	222	162
Kilmacolm W.W.	James Grier, Esq.	5	1 0	600	..	70·17	..	..
D Kilmacolm Village	James Grier, Esq.	5	1 0	300	..	63·66	249	200
Bishopton (Ingliston)	D. Cross, Esq.	5	1 0	195	..	52·15	..	..
Bishopton (Dargavel)	Miss M. A. Maxwell	5	1 0	33	..	51·57	..	..
D Shaws W.W. (Gryfe Reservoir)	J. MacAlister, Esq., C.E. .	5	1 0	640	65·1	72·41	242	200
D Shaws W.W. (Mansfield)	J. MacAlister, Esq., C.E. .	5	1 0	573	64·5	72·38	242	201
Shaws W.W. (Darndaff Moor)	J. MacAlister, Esq., C.E. .	5	1 0	850	65·7	75·90	..	..
3.—FIRTH OF CLYDE. 34 sq. mi.								
Shaws W.W. (Largs Road)	J. MacAlister, Esq., C.E. .	5	1 0	910	57·0	81·20	..	..
Inverkip (Daff Burn Reservoir)	Alex Duthie, Esq.	8	1 0	506	..	76·15	..	..
M Langbank (East Bank Gardens)	T. Cross, Esq.	5	2 0	250	..	55·51	..	..
W DougliehillFilters(Pt.Glas.W.W.)	James Murray, Esq.	8	1 6	540	..	61·68	..	..
W ParkhillFilters(Pt.Glas.W.W.)	James Murray, Esq.	8	1 6	275	..	58·49	..	..
D Shaws W.W. (Compens. Res.)	J. MacAlister, Esq., C.E.. .	5	1 0	600	64·4	78·10	253	207
D Shaws W.W. (Loch Thom)	J. MacAlister, Esq., C.E. .	5	1 0	643	65·4	80·22	254	209
W Shaws W.W. (Shielhill)	J. MacAlister, Esq., C.E. .	6	1 0	962	65·7	85·20	..	..
D Shaws W.W. (New Yett's Dam)	J. MacAlister, Esq., C.E. .	5	1 0	800	65·0	72·59	276	214
W Shaws W.W. (Spango Burn)	J. MacAlister, Esq., C.E. .	6	1 0	757	65·1	78·60	..	..
D Shaws W.W. (Hole Glen)	J. MacAlister, Esq., C.E. .	5	1 0	603	62·2	77·42	278	216
D Greenock (Prospect Hill) .(+A)	J. MacAlister, Esq., C.E. .	5	1 0	199	61·6	70·59	253	196
D Gourock (Coves Reservoir)	Alex. Duthie, Esq.	5	1 0	221	..	69·37	229	204
4.—IRVINE. 10 sq. mi.								

DIVISION XV.—WEST MIDLAND COUNTIES.

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
	DUMBARTON. (Area, 270 sq. mi.)			*ft. in.*	*ft.*	*in.*	*in.*		
	1.—FORTH—Right Bank Tributaries. 10 sq. mi.								
	2.—FIRTH OF CLYDE & COWAL. 52 sq. mi.								
D	Cardross (Kilmahew)	Capt. Claud A. Allan	5	1 0	130	..	52·66	216	193
D	Helensburgh (Ferniegair)	J. N. Stirling, Esq., C.E.	8	1 0	21	49·7	63·78	248	209
D	Helensburgh (Valve House)	J. N. Stirling, Esq., C.E.	8	1 0	293	..	69·31	249	218
	Rosneath Castle Gardens	W. Rankine, Esq.	5	0 4	33	..	66·75	236	203
	Garlochhead (Aikenshaw)	W. S. Turnbull, Esq.	6	1 0	32	..	66·60	..	..
D	Arrochar (Glen Loin)	Mrs. Little	5	1 0	17	..	103·88	272	226
D	Arrochar (Braeside)	J. Lindsay, Esq.	5	1 0	40	..	87·58	270	223
	3.—CLYDE—Leven. 149 sq. mi.								
D	Renton (Carman Filters)	Mr. Chas. Brown	8	4 0	292	..	56·46	246	197
	Loch Lomond Park	W. Besant, Esq.	5	1 0	156	..	68·77	266	..
M	Glen Finlas Reservoir...No. 1.	George Beaton, Esq.	5	1 1	782	..	85·51	..	..
M	Glen Finlas Reservoir...No. 2.	George Beaton, Esq.	5	1 6	1194	..	83·03	..	..
M	Glen Finlas Reservoir...No. 3.	George Beaton, Esq.	5	1 5	1627	..	96·08	..	..
M	Glen Finlas Reservoir...No. 4.	George Beaton, Esq.	5	2 0	2040	..	91·03	..	..
M	Glen Finlas Reservoir...No. 5.	George Beaton, Esq.	5	0 9	1635	..	83·04	..	..
M	Glen Finlas Reservoir...No. 6.	George Beaton, Esq.	5	1 0	1172	..	78·47	..	..
D	Glen Finlas Reservoir...No. 7.	George Beaton, Esq.	12	1 6	810	..	102·49	255	218
	4.—CLYDE—Right Bank Tributaries. 59 sq. mi.								
D	Drumchapel (Wasdale)	F. C. Thomson, Esq.	5	1 0	49	..	48·99	252	173
W	Bearsden (Glengarnock)	A. Lithgow, Esq.	8	1 0	132	..	51·29	..	..
D	Duntocher (Cochno Filters)	E. T. Collins, Esq., C.E.	5	1 0	400	..	52·58	193	186
	Kilpatrick Hills (Greenside Res.)	E. T. Collins, Esq., C.E.	5	1 0	876	..	58·62	..	..
	Kilpatrick Hills (Loch Cochno)	E. T. Collins, Esq., C.E.	5	1 0	909	..	57·51	..	..
	Kilpatrick Hills (Jaw Reservoir)	E. T. Collins, Esq., C.E.	5	1 0	912	..	55·70	..	..
D	Milngavie (Dougalston)	Major R. M. Ker	5	1 0	150	43·7	53·60	223	177
	STIRLING. (Area, 463 sq. mi.)								
	1.—FORTH—Right Bank Tributaries. 263 sq. mi.								
D	Polmont (Vellore)	R. M. W. Brown, Esq.	8	0 8	320	..	49·83	192	162
d	Falkirk (Inglewood, Laurieston)	W. Ballantine, Esq.	5	1 3	133	..	39·35	..	150
D	Falkirk (Westbank) ...*Garden*.	A. Nimmo, Esq.	5	1 0	75	..	43·44	209	163
M	Falkirk (Westbank).....*Lawn*.	A. Nimmo, Esq.	5	1 0	105	..	42·82	..	..
D	Falkirk (Arnotdale)	W. Gibson, Esq.	5	1 0	107	..	43·16	221	165
	Falkirk (Kerse)	George Smith, Esq.	5	1 0	18	31·9	39·80	..	..
D	Grangemouth (Burgh Stables)	J. C. Wallace, Esq., C.E.	5	1 0	15	..	37·96	171	149
	Little Denny Reservoir	C. Massie, Esq.	8	1 0	326	..	53·15	..	..
	Little Denny Filters	C. Massie, Esq.	8	1 0	243	..	55·11	..	..
	Kilsyth (Faughlin Res.)	C. Massie, Esq.	8	1 0	707	..	69·75	..	..
	Denny (Buckieburn Reservoir)	C. Massie, Esq.	8	1 0	825	..	47·34	..	..
	Denny (Buckieburn Filters)	C. Massie, Esq.	8	1 0	760	..	44·66	..	..
	Earlsburn Reservoir	C. Massie, Esq.	8	1 0	1202	..	66·71	..	..
D	Stirling (North Third Res.)	J. C. Wallace, Esq., C.E.	8	1 0	560	..	71·62	212	193
D	Stirling (Touch Res.) ....No. 3	A. H. Goudie, Esq.	8	1 0	759	..	59·87	229	178
D	Stirling (Touch Res.) ....No. 2	A. H. Goudie, Esq.	8	1 0	707	..	56·88	229	178
D	Stirling (Touch Res.) ....No. 1	A. H. Goudie, Esq.	8	1 0	455	..	58·49	229	178
	Stirling (Deroran)	C. A. Buchanan, Esq.	5	1 0	136	..	50·57	..	..
D	Stirling (Sauchie House)	J. Fyfe, Esq., C.S.I.	5	1 0	151	..	45·35	196	159
	Stirling (Westerlands)	J. W. Drummond, Esq.	5	1 0	120	..	45·14	..	..
D	Stirling (Craigforth)	A. J. Couper, Esq.	5	0 6	32	..	49·98	219	169
D	Gargunnock House	C. Stirling, Esq.	5	1 0	85	..	54·49	215	169
D	Kippen (Arngomery)	Mr. P. McCowan	5	4 6	150	..	54·18	187	172
W	Duchray Valley (Ben Lomond)	G. Henshilwood, Esq., C.E.	8	0 6	1500	..	92·40	..	..
d	Duchray Valley (Glen Dhu)	G. Henshilwood, Esq., C.E.	8	1 0	500	..	86·00	..	210
d	Duchray Valley (Comer)	G. Henshilwood, Esq., C.E.	8	1 0	600	..	91·00	..	209
W	Duchray Valley (Achaidh Burn)	G. Henshilwood, Esq., C.E.	8	1 0	1200	..	101·00	..	..
W	Duchray Val.(Hd.of Main Stream)	G. Henshilwood, Esq., C.E.	8	1 0	950	..	95·55	..	..

DIVISION XV.—WEST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
STIRLING—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—FORTH—Teith. 5 sq. mi.								
d Stronachlachar (Invergyle)	G. Henshilwood, Esq., C.E.	8	1 0	376	..	82·25	..	238
3.—FORTH—Left Bank Tributaries. 15 sq. mi.								
D Bridge of Allan (The Lea)	Mr. W. Watt	5	0 8	50	..	44·01	239	173
4.—CLYDE—Leven. 128 sq. mi.								
Strathblane (Blanefield)	G. Henshilwood, Esq., C.E.	8	1 0	250	50·5	57·25	..	..
d Killearn (Achnagowan)	Miss A. L. Guthrie-Smith	5	1 0	332	..	67·03	..	185
w Loch Arklet (Corriehichon)	G. Henshilwood, Esq., C.E.	8	0 6	870	89·3	79·50	..	
w Loch Arklet (Corriearklet)	G. Henshilwood, Esq., C.E.	8	0 6	950	90·2	85·50	..	..
5.—CLYDE—Right Bank Tributaries. 52 sq. mi.								
Strathblane (Mugdock Res.)	G. Henshilwood, Esq., C.E.	8	0 6	320	46·2	58·50	..	..
Kilpatrick H. (Burncrooks Res.)	E. T. Collins, Esq.	5	1 0	835	..	(58·44)	..	..
D Kilsyth (Innsbridge)	J. I. Little, Esq.	5	11 0	202	..	55·94	239	186
BUTE. (Area, 218 sq. mi.)								
1.—ISLE OF BUTE. 50 sq. mi.								
D Rothesay (Ardencraig)	Sir John Reid	5	1 0	200	49·0	59·88	273	222
D Port Bannatyne (Ettrickdale)	Lt.-Col. M.R. Gray Buchanan	5	1 0	160	..	62·31	248	209
2.—CUMBRAES. 4 sq. mi.								
D Millport (Marine Biog. Stat.)	R. Elmhirst, Esq.	5	1 0	16	..	48·88	221	190
3.—ARRAN. 164 sq. mi.								
Pladda	Com'rs of N. Lighth's	5	1 6	53	43·5	30·98	..	165
Holy Island (Pillar Rock)	Com'rs of N. Lighth's	5	0 11	68	..	33·59	201	151
D Dougarie Lodge	David Reside, Esq.	5	1 0	10	..	49·77	233	189
ARGYLL. (Area, 3181 sq. mi.)								
1.—TAY Tummel. 36 sq. mi.								
2.—SOUND OF ARISAIG, SOUND OF MULL & C. 317 sq. mi.								
D Morvern (Ardtornish)	G. Craig Sellar, Esq.	5	1 0	48	..	95·37	253	222
Ardnamurchan Lighthouse	Com'rs of N. Lighthouses	5	0 9	79	43·4	37·43?	217	176
D Morvern (Drimnin)	Mrs. Gordon	5	1 0	225	..	61·67	278	213
D Loch Sunart (Glenborrodale)	A. M. Fletcher, Esq.	5	1 0	..	69·0	67·27	257	208
D Acharacle (Shielbridge)	A. M. Fletcher, Esq.	8	1 0	48	..	66·26	232	212
d Loch Shiel (Polloch House)	Forestry Commission	5	0 9	16	..	91·40	..	..
3.—LOCH LINNHE—Right Bank Tributaries. 139 sq. mi.								
D Morvern (Kingairloch)	G. Herbert Strutt, Esq.	5	1 0	40	..	97·56	216	204
Corran Lighthouse	Com'rs of N. Lighth's	5	1 0	13	81·0	81·46	227	208
D Ardgour House	Maclean of Ardgour	5	0 10	60	..	95·85	271	231
4.—LOCH LINNHE.—Left Bank Tributaries. 165 sq. mi.								
D Duror (Achara)	W. D. Stewart, Esq.	5	1 2	45	..	66·50	226	191
D Barcaldine	S. H. R. Paterson, Esq.	5	1 0	50	..	69·66	212	185
D Duror (The Rectory)	Rev. Canon E. J. Benwell	5	1 0	120	..	72·98	245	201
Glenleven (Blackwater House)	4 British Aluminium Co. Ltd.	8	1 0	1069	..	82·47	..	..
D Glenleven (Blackwater Dam, S.)	2 British Aluminium Co. Ltd.	8	1 0	1072	..	90·06	271	225
D Glenleven (Kinlochleven)	1 British Aluminium Co. Ltd.	8	1 0	140	..	89·26	244	219

DIVISION XV.—WEST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
ARGYLL—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—LOCH ETIVE. 197 sq. mi.								
D Glen Etive	W. D. Fordyce, Esq.	5	1 0	200	..	103·15	215	210
6.—LOCH ETIVE—Loch Awe. 319 sq. mi.								
D Loch Awe (Ford)	H. Cameron, Esq.	8	1 0	149	..	74·92	227	207
D Dalmally (Manse of Glenorchy)	Rev. Farquhar MacRae	5	1 0	150	..	84·42	245	213
D Bridge of Orchy (Inveroran)	G. Wishart, Esq., C.E.	5	1 0	580	..	93·89	246	213
7.—FIRTH OF LORNE. 112 sq. mi.								
D Kilmelfort (Arduaine)	J. A. Campbell, Esq.	5	0 10	23	..	64·08	217	205
D Kilmelfort (Ardmaddy Castle)	Marchioness of Breadalbane	5	..	..	..	69·42	240	210
W Oban (Gleann-a-BhearraidhRes.)	D. Galloway, Esq.	8	1 6	370	..	62·36	..	..
D Oban	D. Galloway, Esq.	8	1 0	21	..	56·33	230	189
8.—SOUND OF JURA. 163 sq. mi.								
D Lochgilphead (Poltalloch)	Mr. D. S. Melville	5	1 2	135	52·7	58·25	236	206
9.—KINTYRE, WEST. 146 sq. mi.								
Mull of Kintyre	Com'rs of N. Lighth's.	5	1 0	270	41·8	44·04	214	191
D Muasdale (Grianan)	Rev. D. J. Macdonald	5	1 0	10	..	44·90	244	192
D Largie Castle	Mrs. Moreton Macdonald	5	1 1	160	..	48·91	261	193
D Carse	J. Birkmyre, Esq.	5	1 6	20	..	47·43	223	195
10—KINTYRE, EAST. 177 sq. mi.								
D Campbeltown (South Park)	J. A. Gardiner, Esq.	8	0 10	20	..	53·21	243	194
Campbeltown (Devaar)	Com'rs of N. Lighth's.	5	1 9	76	45·1	50·21	217	195
D Carradale (Torrisdale Castle)	Major W. Macalister Hall	5	1 0	84	..	69·01	233	199
D Skipness Castle	R. F. Graham, Esq.	5	1 1	14	48·8	53·11	235	191
11.—LOCH FYNE. 264 sq. mi.								
D Ardlamont (Kilbride)	J. W. Turnbull, Esq.	5	1 0	110	..	48·35	200	162
Otter Ferry (Ballimore)	Lt.-Col. MacRae-Gilstrap	5	0 10	70	..	58·24	..	..
D Ardrishaig (Canal Office)	E. A. Bly, Esq., C.E.	5	1 0	48	..	69·73	230	204
D Loch Fyne (Castle Lachlan)	The Maclachl'n of Machlachl'n	5	1 0	42	..	78·30	244	216
D Crarae Lodge	Sir Archibald Campbell, Bt.	5	1 0	20	..	77·03	230	206
D Strachur Park	Lady G. Campbell	5	1 0	25	..	78·79	239	219
d Inveraray Castle Gardens	A. R. Page, Esq.	5	1 0	40	77·2	93·26	231	217
D Ardkinglas	Mr. J. Payne	8	1 6	37	..	79·97	247	219
12.—FIRTH OF CLYDE & COWAL. 242 sq. mi.								
D Toward (Knockdow Gardens)	Sir Norman Lamont, Bt.	5	1 6	101	..	68·99	233	214
D Innellan (Lilybank)	P. H. Coats, Esq.	5	1 6	25	..	70·68	243	209
D Tighnabruaich (Wellpark)	R. Paton, Esq.	12	5 2	50	..	60·85	226	201
D Toward (Inverchaolain)	Sir Norman Lamont, Bt.	5	1 0	..	..	75·43	233	205
D Dunoon (Reservoir)	W. Rodger, Esq., C.E.	12	3 6	245	..	96·35	230	213
D Dunoon (Hamilton St.)	W. Rodger, Esq., C.E.	12	3 6	45	..	89·53	229	205
D Dunoon (Redhurst)	Dr. J. Banks	5	1 0	60	..	97·65	234	214
D Loch Eck (Benmore)	H. G. Younger, Esq.	5	1 3	40	86·6	95·24	243	216
D Glenbranter	Forestry Commission	5	1 0	188	..	97·64	254	217
Lochgoilhead (Ardgoil)	W. Besant, Esq.	5	0 6	20	..	96·01	222	219
d Lochgoilhead (Nuthill)	Mrs. Henderson	5	1 0	15	..	85·84	232	217
D Arrochar (Ardgarten)	C. Davidson-Wilsone, Esq.	5	1 0	50	..	103·92	261	229
Glencroe	Mrs. Little	5	1 0	500	..	120·78	..	..
13.—CLYDE—Leven. 4 sq. mi.								

DIVISION XV.—WEST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground. ft.	Height of Rim above Ground. in.	Height of Ground above Sea Level. ft.	Average Rainfall. in.	1927: Rainfall. in.	Days with ·01 in. or more.	Days with ·04 in. or more.
ARGYLL—(*con.*)		*in.*	*ft.*	*in.*	*ft.*	*in.*	*in.*		
14.—INSULAR. 900 sq. mi.									
D Islay (Ardbeg)	A. H. MacDougall, Esq.	5	7	0	46	45·1	46·63	241	194
Sanda Lighthouse	Com'rs of N. Lighthouses.	5	2	9	134	..	(46·11)	..	..
Islay (Rhinns)	Com'rs. of N. Lighth's.	7	3	6	74	35·5	34·37?	217	171
Islay (Lochindaul)	Com'rs. of N. Lighth's.	5	0	7	45	44·2	44·53	..	..
Islay (McArthur's Head)	Com'rs. of N. Lighth's.	5	0	6	173	53·5	61·61	227	195
D Islay (Eallabus)	James MacKillop, Esq.	5	1	0	68	48·9	53·43	244	202
d Islay (Dunlossit)	N. Dunlop, Esq.	5	1	0	100	..	53·27	..	180
d Islay (Cluanach	N. Dunlop, Esq.	5	0	11	150	..	47·57	..	194
Islay (Rhuvaal)	Com'rs. of N. Lighth's.	5	1	0	69	..	35·78?	..	..
D Jura (Ardfin)	Colin Campbell, Esq.	5	1	0	160	..	61·15	243	222
Lismore (Mousedale)	Com'rs. of N. Lighth's.	7	3	10	38	43·7	45·90	..	..
D Eriska	Mr. J. M. Webster	5	1	6	40	..	59·02	207	200
D Mull (Iona Manse)	Rev. A. Macmillan	5	1	2	45	..	44·98	221	197
D Mull (Bunessan)	Duncan Cameron, Esq.	5	1	0	50	..	51·83	224	197
D Mull (Lochbuie House)	Sir R. Garton	5	1	3	..	..	87·97	219	203
D Mull (Kinlochspelvie)	G. W. Duncan, Esq.	8	1	6	50	..	94·29	222	208
Mull (Benmore)	The Meteorological Office.	5	2	0	2800	..	129·90	..	..
D Mull (Glencannel)	Duncan Cameron, Esq.	5	1	3	140	..	105·54	267	223
D Mull (Ulva)	F. W. Clark, Esq.	5	1	0	30	..	60·95	260	207
d Mull (Knock)	John Cameron, Esq.	5	1	3	50	..	78·18	..	212
D Mull (Gruline)	J. W. Melles, Esq.	8	1	0	101	..	73·58	277	226
Mull, Sound of	Com'rs. of N. Lighthouses.	..	..		..	60·1	62·24	235	199
Fladda Lighthouse	Com'rs of N. Lighthouses.	5	1	6	25	..	59·32	212	187
D Tiree (Cornaigmore School)	Meteorological Office	5	1	0	22	..	43·70	237	189

DIVISION XVI.—EAST MIDLAND COUNTIES

CLACKMANNAN. (Area 55 sq. mi.)

1.—FORTH, LOWER—Left Bank Tributaries. 55 sq. mi.

d Alloa House Gardens	Earl of Mar & Kellie, K.T.	5	3	0	40	..	44·25	..	163
W Alloa W. W. (Gartmorn Res.)	Robert Cairns, Esq., C.E.	11	1	0	172	..	41·55	..	..
D Tillicoultry (Westbourne)	Mrs. Willison	5	1	0	66	..	45·92	217	180
M Glendevon	No. 2 H. F. Hodge, Esq., C.E.	8	1	0	1333	..	83·05	..	..
M Glendevon	No. 8 H. F. Hodge, Esq., C.E.	8	1	0	1721	..	59·86	..	..
M Glendevon	No. 9 H. F. Hodge, Esq., C.E.	8	1	0	1067	..	70·01	..	..
D Glendevon (Backhill)	H. F. Hodge, Esq., C.E.	8	1	0	1067	..	70·99	248	199

KINROSS. (Area, 87 sq. mi.)

1.—FORTH, LOWER—Left Bank Tributaries. 15 sq. mi.

D Dollar (Blairingone Manse)	Rev. J. F. Cameron	5	1	6	296	39·8	52·37	221	179

2.—LEVEN & C. 67 sq. mi.

D Loch Leven Sluice	Mr. J. Thomson	8	0	9	306	35·8	43·62	182	151
D Milnathort (Laurel Bank)	Capt. L. Kininmouth	5	1	0	398	..	41·07	192	153
D Milnathort (Ledlanet)	Sir James C. Calder, K.B.E.	5	1	0	700	..	51·26	204	172

3.—EDEN. 2 sq. mi.

4.—TAY—Earn. 3 sq. mi.

FIFE. (Area, 505 sq. mi.)

1.—FORTH, LOWER—Left Bank Tributaries. 68 sq. mi.

D Rosyth (H. M. Dockyard)	The Supt. Civil Engineer.	8	1	0	53	..	29·41	182	124
d Kincardine (Tulliallan)	Col. Alexander Mitchell	8	1	0	80	..	45·75	..	..
D Culross (Brankston Grange)	J. P. Dalgleish, Esq.	5	0	6	116	..	38·47	208	181
Carnock (Craigluscar Res.)	R. Muir Morton, Esq.	12	0	4	280	36·1	45·05	..	..

DIVISION XVI.—EAST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Rain-gauge Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	1927 Days with ·01 in. or more.	1927 Days with ·04 in. or more.
FIFE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—LEVEN & C. 208 sq. mi.								
Inverkeithing (Pitreavie Castle)	R. Richardson, Esq.	5	0 9	150	..	33·23	..	..
Dunfermline (Fordell House)	Earl of Buckinghamshire	5	1 0	250	..	39·07	..	..
D Dunfermline (Bonnyters)	L. Dalgleish, Esq.	5	0 8	500	..	41·49	230	162
D Kirkcaldy (Munro Street)	F. Braid, Esq.	5	1 0	66	..	36·07	212	150
Cowdenbeath (Stenhouse St.)	C. A. Alexander, Esq.	5	1 0	516	..	44·75	..	..
M Cleish Hills (Craiggaveral)	C. A. Alexander, Esq.	5	1 0	760	..	48·43	..	..
M Cleish Hills (Roscobie Res.)	C. A. Alexander, Esq.	5	1 0	660	..	47·55	..	..
D Cleish Hills (Roscobie Farm)	C. A. Alexander, Esq.	5	1 0	670	..	45·29	174	157
M Cleish Hills (Blairadam Wood)	C. A. Alexander, Esq.	5	1 0	670	..	43·25	..	..
M Cleish Hills (Lochglow Res.)	C. A. Alexander, Esq.	5	1 0	900	..	42·95	..	..
D Leslie (Lothrie Reservoir)	R. Ritchie, Esq.	5	1 0	700	38·7	44·20	214	160
Markinch (Alburne Knowe)	R. Reid Russell, Esq.	5	0 11	..	..	43·50	..	..
D Elie (The Castle)	Miss E. E. Scott Moncrieff.	5	0 5	9	..	29·33	194	129
D Colinsburgh (Cairnie House)	Maj.R.A.Anstruther,D.S.O.	5	3 6	125	..	33·37	208	150
D Colinsburgh (Balcarres)	Mr. W. H. Adams	5	1 0	300	32·2	31·64	201	160
D Carnbee (Ovenstone W.W.)	C. Birrell, Esq.	5	1 0	168	..	27·69	180	126
3.—EDEN & C. 205 sq. mi.								
D Ceres (Castlebank)	Mr. Alex. Smith	5	2 0	280	..	36·77	217	164
D Cameron Waterworks	W. Watson, Esq., C.E.	5	1 0	478	..	33·58	178	153
D Cupar (Pitlair)	late W. N. Walker, Esq.	5	1 0	126	..	37·28	200	154
D Cupar (Rankeillour)	Mr. R. Tunstall	5	1 0	240	..	33·11	207	150
D Cupar (Fife & Kinross Asylum)	Medical Superintendent	5	1 0	210	..	33·48	200	156
Cupar (Over Rankeillour)	H. Giles Walker, Esq.	5	1 0	200	..	35·46	..	..
D St. Andrews (Waterworks)	W. Watson, Esq., C.E.	5	1 0	217	..	31·61	188	143
D St. Andrews	W. Watson, Esq., C.E.	5	1 0	20	..	31·37	191	143
Kilmany (Lochmalony)	W. Marshall, Esq.	5	1 0	260	..	33·65	..	..
D Leuchars (Seaplane Stn.) (+A)	The Meteorological Office	8	1 0	40	..	29·48	191	133
4.—FIRTH OF TAY. 25 sq. mi.								
D Newport (Tayfield)	W. Berry, Esq.	5	0 7	100	..	33·53	180	148
D Newport	Rev. John A. Lees	5	1 0	150	..	33·53	194	136
D Newport (Seabank)	J. Grant Bruce, Esq.	5	4 6	15	..	33·03	180	150
D Tayport (Lighthouse)	J. H. Thompson, Esq., C.E.	5	1 0	27	25·8	33·53	222	144
5.—TAY—Earn. 1 sq. mi.								
6.—INSULAR.								
D Inchkeith	The Meteorological Office	8	1 0	190	21·8	28·50	190	125
Inchkeith Lighthouse	Com'rs. of N. Lighth's	5	1 0	190	..	26·99	179	123
Isle of May	Com'rs. of N. Lighth's	..	..	..	..	22·31	..	..
PERTH. (Area, 2535 sq. mi.)								
1.—FORTH—Right Bank Tributaries. 17 sq. mi.								
D Gartmore House Gardens	Mr. H. B. Matheson	5	1 0	160	..	63·51	250	190
d Loch Dhu	G. Henshilwood, Esq., C.E.	8	0 6	325	79·8	82·50	..	212
2.—FORTH, UPPER—Left Bank Tributaries. 84 sq. mi.								
d Aberfoyle (The Inn)	G. Henshilwood, Esq., C.E.	8	0 6	60	57·1	65·10	..	192
w Ledard	G. Henshilwood, Esq., C.E.	8	0 6	1500	61·2	78·05	..	..

DIVISION XVI.—EAST MIDLAND COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with .01 in. or more.	Days with .04 in. or more.
	PERTH—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	3.—FORTH—Teith. 221 sq. mi.								
w	Loch Drunkie	G. Henshilwood, Esq., C.E.	8	0 6	420	62·1	66·15	..	..
D	Invertrossachs	Sir James R. Wilson, Bt...	5	1 0	380	..	65·54	263	200
w	Ben Venue (Glasahoile)	G. Henshilwood, Esq., C.E.	8	1 0	1150	..	82·65	..	..
d	Loch Vennachar	G. Henshilwood, Esq., C.E.	8	0 6	275	55·3	62·75	..	198
d	Bridge of Turk	G. Henshilwood, Esq., C.E.	8	0 6	275	63·5	70·00	..	208
	Loch Katrine (Tunnel Hill Top)	G. Henshilwood, Esq., C.E.	8	0 6	830	81·4	80·05	..	..
	Ben Ledi	G. Henshilwood, Esq., C.E.	8	0 6	1400	66·6	76·90	..	..
	Achnahard	G. Henshilwood, Esq., C.E.	8	1 0	474	..	74·10	..	213
	Callander (Leny House)	Capt. M. Murray Buchanan	5	1 0	340	..	60·35	..	..
	Strone Bridge	G. Henshilwood, Esq., C.E.	8	1 0	380	..	74·10	..	..
	Glen Meann	G. Henshilwood, Esq., C.E.	8	1 0	800	..	86·25	..	..
w	Glen Finglas	G. Henshilwood, Esq., C.E.	8	1 0	1200	..	87·70	..	..
d	Glengyle	G. Henshilwood, Esq., C.E.	8	0 6	380	89·9	91·95	..	242
	Upper Glengyle	G. Henshilwood, Esq., C.E.	8	1 0	750	..	97·40	..	..
	Allt a' Choin	G. Henshilwood, Esq., C.E.	8	1 0	1250	..	91·95	..	..
w	Balquhidder (Blaircreach)	J. M. Fergusson, Esq.	5	1 0	460	..	99·54	..	..
d	Balquhidder (Stronvar)	J. Gault, Esq.	5	1 0	422	74·2	70·66	..	..
	4.—FORTH, LOWER—Left Bank Tributaries. 107 sq. mi.								
D	Dunblane	W. L. Gibson, Esq., C.E...	5	1 0	250	..	42·88	224	181
D	Glendevon (Glenquey Res.) No. 2	H. F. Hodge, Esq., C.E...	8	1 0	945	..	66·61	200	184
D	Glendevon (Tormaukin)	Mr. W. Phillips	5	1 6	770	..	62·09	211	173
D	Glendevon (Frandy)	H. F. Hodge, Esq., C.E. ..	8	1 0	911	..	69·62	244	187
	Glendevon (Glensherup)	R. Muir Morton, Esq.	12	0 4	945	..	64·49	..	..
M	Glendevon No. 1	H. F. Hodge, Esq., C.E. ..	8	1 0	1202	..	65·80	..	..
M	Glendevon No. 10	H. F. Hodge, Esq., C.E. ..	8	1 0	1408	..	57·76	..	..
	5.—LEVEN. 1 sq. mi.								
	6.—EDEN. 4 sq. mi.								
	7.—TAY—Earn. 376 sq. mi.								
D	Gleneagles House	Mr. P. Douglas	8	1 0	447	..	54·35	243	186
	Upper Farg (Plains)	Messrs. Leslie & Reid, C.E.	8	1 0	900	..	43·72	..	..
	Upper Farg (Main Bank)	Messrs. Leslie & Reid, C.E.	5	1 0	642	..	38·88	..	..
D	Dunning (Kippen House)	Lady Wilson	5	1 0	450	..	50·59	204	163
D	Bridge of Earn (Ballendrick)	Capt. O. A. Taylor	5	0 6	35	..	37·52	221	147
d	Bridge of Earn (Kinmonth)	J. Moncrieff Wright, Esq. .	5	1 0	..	..	33·39	..	134
	Lochearnhead (Ardloch)	S. Moir, Esq.	5	1 0	400	..	62·50	..	..
D	Lochearnhead (Edinchip)	Sir Malcolm MacGregor, Bt.	5	1 0	513	..	68·30	243	200
d	Comrie (The Rectory)	Rev. F. C. Newbery	5	1 0	200	..	54·47	..	172
D	Comrie (Dunira)	W. Gilchrist Macbeth, Esq.	10	1 6	240	..	56·78	214	175
D	Crieff (Strathearn Hydro)	Dr. G. Meikle	5	1 0	478	40·9	45·87	217	170
	8.—TAY—Almond & C. 149 sq. mi.								
D	Perth (Wellshill Cemetery)	J. Ritchie, Esq.	5	1 0	76	30·8	34·23	202	138
D	Perth (Moulin Almond)	Col. D. M. Smythe	5	1 0	140	..	37·09	209	164
w	Logiealmond Lodge	Earl of Mansfield	8	1 3	1020	..	56·82	..	..
D	Glen Almond (Auchnafree)	Capt. J. A. C. Whitaker...	5	1 0	1025	..	73·38	192	167
	9.—TAY—Strathtay below Dunkeld. 33 sq. mi.								
D	Murthly (Douglasfield)	W. A. Rae, Esq.	5	1 0	237	34·9	38·03	178	156
D	Dunkeld (Kincairney House)	Mr. J. Doig	8	1 0	500	..	37·33	225	159
D	Dunkeld (Snaigow)	W. H. Cox, Esq.	5	1 0	370	..	37·78	203	153

DIVISION XVI.—EAST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
PERTH—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
10.—TAY—Bran. 81 sq. mi.								
D Strath Bran (Glenquaich Lodge)	W. H. Cox, Esq.	5	1 0	900	..	66·92	202	193
11.—TAY—Strathtay above Dunkeld. 95 sq. mi.								
D Aberfeldy (Dall Avon)	Dr. N. D. Mackay	5	1 0	320	..	42·72	223	157
D Grandtully	W. L. Macnaughton, Esq.	5	1 0	220	..	37·06	221	158
12.—TAY—Loch Tay. 241 sq. mi.								
Killin (Auchmore Gardens)	Mr. J. Easson	5	1 0	380	..	62·22	215	193
D Killin (The Manse)	Rev. G. W. Mackay	5	1 0	400	..	61·83	215	185
13.—TAY—Lyon. 142 sq. mi.								
d Loch Lyon (Invermearan)	Mr. R. Campbell	5	1 0	1050	..	86·58	..	..
D Glenlyon (Meggernie Castle)	Sir E. S. Wills, Bt.	5	1 0	700	..	62·73	227	200
w Fortingall (Glenlyon House)	Mr. J. W. Ford	5	1 0	425	..	49·24	..	..
14.—TAY—Tummel. 587 sq. mi.								
D Loch Rannoch (Dall)	Mr. D. Robertson, Jun.	5	1 0	722	..	47·09	221	180
d Pitlochry (Dunfallandy)	D. Stewart-Fergusson, Esq.	5	1 10	405	..	42·10	..	181
D Pitlochry (Bonskeid)	Dr. G. F. Barbour	5	1 0	540	..	37·53	234	177
D Fincastle House	Dr. G. F. Barbour	5	1 0	980	..	37·57	243	155
D Auchleeks	Mr. A. Kennedy	5	1 0	..	..	45·37	244	186
D Blair Atholl (Blair Castle Grdns)	Mr. J. Dickson	5	1 0	500	33·1	38·52	247	175
d Glen Garry (Dalnaspidal Lodge)	Mr. J. Macbeth	5	1 0	1414	..	52·59	..	..
D Glen Bruar (Bruar Lodge) No. 1	Mr. A. McLauchlan	5	1 0	1600	..	54·68	244	199
D Glen Bruar (Bruar Lodge) No. 2	Mr. A. McLauchlan	5	1 0	1600	..	51·35	244	200
D Glen Tilt (Fealar Lodge)	Mr. D. M. McDougall	5	1 0	1760	..	43·26	238	177
15.—TAY—Isla. 282 sq. mi.								
D Blairgowrie (Kinloch Manse)	Rev. T. Milne	5	1 0	280	..	35·49	231	144
D Dunkeld (Cardney)	A. R. Macgregor, Esq.	5	1 0	350	..	44·00	201	164
D Kirkmichael (Ballintuim Ho.)	Miss M. A. Macdonald	5	1 4	700	..	48·34	247	176
16.—TAY—Left Bank Tributaries. 51 sq. mi.								
Pitfour Castle	Miss D. Cairns	..	..	..	..	30·76	179	149
D Kinfauns (Balthayock) (R)	R. Wylie Hill, Esq.	8	4 6	323	..	33·63	205	145
D Scone Palace	Earl of Mansfield	5	0 11	91	..	36·26	204	152
17.—FIRTH OF TAY. 45 sq. mi.								
18.—SPEY—Right Bank Tributaries. 1 sq. mi.								
19.—LOCH LINNHE.—Left Bank Tributaries. 2 sq. mi.								
20.—CLYDE—Leven. 36 sq. mi.								

DIVISION XVI.—EAST MIDLAND COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
	FORFAR. (Area, 875 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—TAY—Isla. 211 sq. mi.								
D	Kettins School	W. Andrew, Esq.	5	1 0	218	..	34·50	200	144
D	Glamis Castle	Mr. D. McInnes	5	0 9	250	..	38·08	192	154
D	Kirriemuir (Lintrathen)	G. Baxter, Esq., C.E.	5	1 0	700	34·7	35·97	203	156
M	Kirriemuir (Balnakeilly)	G. Baxter, Esq., C.E.	5	1 0	700	..	38·00	..	..
M	Kirriemuir (Creich Hill, S.)	G. Baxter, Esq., C.E.	5	1 0	1482	32·6	39·80	..	..
M	Kirriemuir (Creich Hill, Top)	G. Baxter, Esq., C.E.	5	1 0	1500	..	41·10	..	..
M	Kirriemuir (Creich Hill, N.)	G. Baxter, Esq., C.E.	5	1 0	1491	..	47·10	..	..
	2.—FIRTH OF TAY. 80 sq. mi.								
D	Buddonness (Low Light)	J. H. Thompson, Esq., C.E.	5	1 0	27	25·3	28·89	211	138
D	Dundee Harbour	J. H. Thompson, Esq., C.E.	5	0 11	14	27·5	32·22	172	138
D	Dundee (Eastern Necropolis)	A. Macrae, Esq.	5	1 0	198	27·4	34·83	208	156
d	Dundee (Camperdown Works)	Messrs. Cox Bros., Ltd.	5	1 2	300	..	34·82	..	..
D	Dundee (Balruddery)	J. Martin White, Esq.	5	1 0	266	29·8	31·60	189	141
D	Dundee (College Garden)	Director of Studies	8	1 0	147	26·2	33·84	199	151
	3.—SOUTH ESK & C. 371 sq. mi.								
D	Carnoustie	A. F. Anderson, Esq., C.E.	8	1 0	39	..	33·42	221	155
D	Monikie Reservoir †	G. Baxter, Esq., C.E.	5	3 0	484	34·7	36·30	192	154
M	Monikie† (Hillhead)	G. Baxter, Esq., C.E.	8	3 0	570	36·1	36·42	..	..
M	Monikie (Crombie Reservoir)	G. Baxter, Esq., C.E.	8	3 0	522	37·3	41·21	..	..
D	Monikie (Crombie Reservoir)	G. Baxter, Esq., C.E.	5	1 0	522	..	38·75	222	159
M	Monikie (Fallaws)	G. Baxter, Esq., C.E.	8	3 0	585	..	38·10	..	..
D	Arbroath (W. Cemetery)	J. W. Robertson, Esq.	5	1 0	93	..	30·91	185	134
W	Arbroath (Muirheads Res.)	T. A. Hogg, Esq., C.E.	5	1 0	251	..	34·58	..	..
	Forfar (Pitscandly House)	J. T. Ewen, Esq.	5	1 8	300	..	(35·82)	..	..
D	Montrose	D. Maxwell, Esq., C.E.	5	1 0	16	..	30·12	183	126
D	Montrose (West-End Park)	D. Maxwell, Esq., C.E.	5	1 0	12	..	34·70	198	143
D	Brechin (Argyll Street)	J. Hutton, Esq.	5	1 0	224	..	41·50	219	154
D	Forfar W.W. (Den of Ogil)	A. Watterston, Esq., C.E.	12 x 4	0 3	633	..	38·72	194	163
D	Glenogil Waterworks	T. A. Hogg, Esq., C.E.	5	1 0	770	..	44·94	210	168
d	Glen Prosen (Pearsie House)	G. M. Wedderburn, Esq.	5	1 0	600	..	38·76	..	..
	Glen Prosen (Lednathie)	J. S. Darling, Esq.	5	1 0	720	43·2	50·66	..	..
	4.—NORTH ESK & C. 213 sq. mi.								
	Brechin (Trinity)	Miss E. A. Stevenson	8	1 0	295	..	41·40	..	..
D	Montrose (Sunnyside Asylum)	C. K. Alexander, Esq.	5	1 0	200	27·0	33·15	196	143
D	Montrose (Kinnaber W.W.)	D. Maxwell, Esq., C.E.	5	1 0	38	..	30·13	194	140
	Brechin (Stracathro Gardens)	Mr. A. Dunlop	5	1 0	200	..	38·12	..	..

DIVISION XVII.—NORTH-EASTERN COUNTIES.

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
	KINCARDINE. (Area, 382 sq. mi.)								
	1.—NORTH ESK & C. 99 sq. mi.								
D	Marykirk (Balmakewan)	W. Low, Esq.	5	1 1	120	..	36·35	205	149
D	Marykirk (Balmakewan), No. 2.	W. Low, Esq.	5	1 0	80	..	36·67	233	159
d	Laurencekirk (Johnston Lodge)	R. B. Pearson, Esq.	5	1 0	400	..	(42·35)	(200)	(154)
D	Fettercairn (Fasque)	Sir J. E. Gladstone, Bt.	5	1 0	320	..	39·95	232	164
	2.—BERVIE, COWIE & C. 139 sq. mi.								
	Todhead Pt. Lighthouse	Com'rs. of N. Lighth's.	5	1 9	114	..	28·31	..	140
D	Stonehaven (Mains of Cowie)	John Hart, Esq.	5	1 0	93	27·3	34·73	232	163
D	Stonehaven (Ury Gardens)	Mr. W. Thomson	5	1 2	200	..	38·82	204	166
	Girdleness	Com'rs of N. Lighth's.	7	4 0	89	..	35·26	191	154
	Durris House	Andrew Reid, Esq. (R)	..	3 0	200	..	37·89	..	..

† Formerly known as Craigton.

DIVISION XVII.—NORTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
KINCARDINE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—DEE. 144 sq. mi.								
D Strachan (Bridge of Dye)	Sir J. E. Gladstone, Bt.	5	1 0	513	..	48·65	251	167
D Banchory (Invery)	Major Jas. Kerr	5	1 0	225	..	38·33	218	165
D Banchory (Blackhall Castle)	Mrs. F. T. Hay	5	0 8	220	..	35·01	181	153
D Banchory (Invercannie)	T. F. Henderson, Esq., C.E.	5	1 0	205	..	33·78	230	158
ABERDEEN. (Area, 1974 sq. mi.)								
1.—DEE. 672 sq. mi.								
D Glen Muick	T. F. Henderson, Esq., C.E.	5	1 0	1370	..	50·58	237	190
M Glen Tanner (Aitnach)	T. F. Henderson, Esq., C.E.	5	1 0	1260	..	(45·95)	..	..
d Braemar (Derry Lodge)	T. F. Henderson, Esq., C.E.	5	1 0	1400	..	36·20	248	193
D Balmoral Castle Gardens	Mr. R. F. Chalmers	5	1 0	927	33·0	38·82	264	175
D Abergeldie Castle Gardens	Mr. J. Durran	5	1 0	800	..	39·39	210	177
D Ballater (Irrigation Farm)	T. F. Henderson, Esq., C.E	5	1 0	637	..	35·84	237	175
M Beinn Bhreac	T. F. Henderson, Esq., C.E.	5	1 0	2700	..	48·30	..	..
D Aboyne	T. F. Henderson, Esq., C.E.	5	1 0	412	..	34·29	180	157
D Dess House	Lt.-Col. D. F. Davidson	5	1 8	480	..	35·35	222	167
D Glen Gairn (GairnShielLodge)	T. F. Henderson Esq., C.E.	5	1 0	1100	..	41·39	229	195
D Glen Gairn (Corndavon)	T. F. Henderson Esq., C.E.	5	1 0	1500	..	(42·82)	228	181
D Torphins (School House)	Dr. George Davidson	5	1 6	480	..	35·46	209	166
M Lumphanan	T. F. Henderson, Esq., C.E.	5	1 0	490	..	34·90	..	..
D Drumoak (Drum Castle)	Mrs. Irvine	5	0 8	320	..	38·06	230	182
D Logie Coldstone School	J. B. Anderson, Esq.	5	1 0	608	30·9	36·40	236	172
D Aberdeen (Mannofield Res.)	T. F. Henderson, Esq., C.E.	5	1 0	171	..	36·48	241	173
2.—DON. 512 sq. mi.								
D Aberdeen (King's College) (+A)	The Meteorological Office	8	1 0	46	29·5	33·51	222	161
D Strathdon (Estates Office)	C. Christie, Esq.	5	1 2	990	..	39·47	219	174
D Craibstone (Sth. Methil Field)	Prof. J. Hendrick	5	1 0	275	..	39·09	231	171
D Craibstone (Woodlands Field)	College of Agriculture	8	1 0	300	..	37·52	226	165
D Dyce (Parkhill House)	J. E. Crombie, Esq.	8	0 11	170	..	37·60	228	183
M New Machar (Straloch)	Mrs. Irvine	5	4 0	320	..	33·96	..	..
D Inveruie (Port Elphinstone)	D. Munro, Esq.	5	1 0	170	..	37·31	233	179
D Inverurie (Westfield)	James Skinner, Esq.	5	1 0	207	..	34·42	254	168
3.—YTHAN & C. 285 sq. mi.								
D Ellon (Esslemont House)	Capt. Wolrige Gordon, M.C.	5	1 6	100	29·8	39·22	264	188
D Haddo House	Earl of Haddo	5	0 6	186	..	39·79	245	178
D Fyvie Castle	Col. Sir C. R. Forbes-Leith, Bt.	5	0 6	200	..	40·49	202	177
4.—UGIE & C. 257 sq. mi.								
Buchanness	Com'rs. of N. Lighth's.	5	2 0	39	..	27·11	147	128
D New Deer School House	J. A. Thomson, Esq.	5	1 0	397	32·3	43·50	227	175
D Peterhead (Stock Bridge)	J. Robertson, Esq.	5	1 0	150	..	34·57	231	171
D Peterhead (Mains of Buthlaw)	W. Johnston, Esq.	5	1 6	120	..	34·89	227	173
D Peterhead (Forehill Works)	J. Dickie, Esq., C.E.	5	0 8	133	..	35·65	234	174
D Brucklay Castle	A. Dingwall Fordyce, Esq.	8	1 0	300	..	41·20	238	179
Kinnaird Head	Com'rs. of N. Lighth's.	3	2 6	120	..	32·43	159	136
5.—DEVERON & C. 248 sq. mi.								
Huntly	R. Milne, Esq.	5	1 0	390	..	40·40	..	..
D Huntly (Cruchie)	Miss C. Joss	5	4 0	400	..	39·07	246	179

DIVISION XVII.—NORTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
BANFF. (Area, 630 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—YTHAN. 1 sq. mi.								
2.—DEVERON & C. 344 sq. mi.								
D Keith Station	J. Ogston, Esq.	5	1 0	364	33·8	43·23	204	185
D Turriff (Forglen Gardens)	Mr. G. Stuart	5	1 0	220	..	39·71	240	182
D Gamrie (Clenterty P. School)	T. H. Smith, Esq.	5	0 10	420	..	47·71	232	180
D Banff	I. H. Gordon, Esq.	5	0 9	130	..	32·18	213	151
Buckie (Rochonnie)	W. Hendry, Esq.	5	1 4	334	..	31·70	..	..
Buckie (West Church Street)	W. Hendry, Esq.	5	1 4	76	..	32·72	..	..
d Cullen House Gardens	Mr. R. Ferguson	5	1 0	100	32·4	37·28	..	..
3. SPEY—Right Bank Tributaries. 285 sq. mi.								
D Ballindalloch	C. Mackenzie, Esq.	8	1 0	640	..	45·24	246	190
D Aberlour (Dailuaine)	Mr. J. Tullofor, R. Met. Soc.	5	1 0	500	..	41·47	246	184
D Aberlour Orphanage	J. G. White, Esq.	5	1 0	350	..	41·45	229	186
MORAY. (Area, 477 sq. mi.)								
1.—DEVERON & C. 7 sq. mi.								
2.—SPEY—Right Bank Tributaries. 35 sq. mi.								
D Gordon Castle	Mr. C. Webster	5	1 0	104	29·8	34·47	222	167
3.—SPEY—Left Bank Tributaries. 133 sq. mi.								
D Grantown-on-Spey	W. A. Watson, Esq.	5	1 1	700	31·1	40·45	236	166
D Knockando (Windmill Cottage)	Mr. L. Younie	5	1 0	600	..	45·97	237	179
D Aberlour (Wester Elchies)	Mr. A. Ross	5	1 0	550	..	42·09	226	187
4.—LOSSIE & C. 154 sq. mi.								
D Lhanbryde (Blackhills House)	T. N. Christie, Esq.	5	3 6	310	..	36·38	222	182
D Elgin (Kirkhill)	P. J. Macdonald, Esq.	5	1 7	35	..	31·54	198	170
M Elgin (Rotha)	W. C. Young, Esq.	5	1 0	60	..	29·58	..	..
D Duffus House	Mr. W. Ogg	5	1 0	55	..	30·31	178	157
5.—FINDHORN & C. 148 sq. mi.								
D Darnaway Castle Gardens	Earl of Moray	5	1 6	170	..	35·96	188	164
NAIRN. (Area, 163 sq. mi.)								
1.—FINDHORN & C. 102 sq. mi.								
D Ardclach (Glenferness)	Mr. A. McKenzie	8	1 6	700	..	45·67	219	195
2.—NAIRN & C. 61 sq. mi.								
D Cawdor Castle (R)	Mr. D. Chapman	8	4 3	225	29·2	60·37	235	185
D Nairn (Balblair)	Major H. C. H. Allanby	5	1 0	94	..	28·87	207	149
D Nairn (Achareidh)	Major K. S. Clarke	8	1 0	59	24·6	29·64	229	157
D Nairn (Delnies)	The Meteorological Office	8	1 9	82	24·9	30·54	219	151

DIVISION XVIII.—NORTH-WESTERN COUNTIES.

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
INVERNESS. (Area, 4146 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—TAY—Tummel. 28 sq. mi.								
d Loch Ericht (Ben Alder Lodge)	Mr. F. Macintosh	5	1 0	1175	..	49·11	269	221
2.—SPEY—Right Bank Tributaries. 437 sq. mi.								
D Dalwhinnie (Drumochter Lo.)	Mr. D. Kennedy	5	1 0	1375	..	56·19	255	212
D Glen Tromie (Gaick Lodge)	Mr. C. Chisholm	5	1 0	1500	..	57·63	269	211
D Nethy Bridge (U.F. Manse)	Rev. John Ross	5	1 0	750	..	31·76	204	151
3.—SPEY—Left Bank Tributaries. 257 sq. mi.								
D Cluny Castle	Mr. A. Macdonald	5	1 0	816	..	44·10	252	189
M Loch Spey	British Aluminium Co. Ltd.	5	1 0	1164	..	68·90	..	..
D Glen Spey (Mealgarve)	British Aluminium Co. Ltd.	8	1 0	1135	..	54·61	244	221
D Laggan (Gergask)	British Aluminium Co. Ltd.	8	1 0	870	..	40·85	229	172
D Kingussie	A. D. Dallas, Esq.	8	1 0	815	..	33·74	246	175
d Alvie Manse	Rev. Dugald Maclean	5	1 0	750	30·3	38·34	..	..
D Carr Bridge (Crannich)	Mrs. J. A. Doak	5	1 0	850	..	37·66	228	160
4.—FINDHORN. 164 sq. mi.								
5.—NAIRN & C. 131 sq. mi.								
D Gollanfield House	The MacKinnon of MacKinnon	5	0 10	80	..	28·80	181	142
6.—NESS—Right Bank Tributaries. 252 sq. mi.								
D Fort Augustus (St. Benedict's)	The Procurator	5	1 0	68	44·2	45·71	218	172
M Loch Ness (Killin, Whitebridge)	British Aluminium Co. Ltd.	8	1 0	1200	..	57·56	..	..
D Loch Ness (Garthbeg)	British Aluminium Co. Ltd.	8	1 0	645	..	43·29	244	196
D Loch Ness (Foyers)	British Aluminium Co. Ltd.	8	1 0	52	..	39·49	213	178
D Loch Ness (Aberchalder)	British Aluminium Co. Ltd.	8	1 0	700	..	42·78	204	183
D Inverness (Culduthel Res.)	A. Knowles, Esq.	5	1 0	242	..	32·99	198	149
7.—NESS—Garry &c. 185 sq. mi.								
M Loch Quoich (Loan)	Col. D. W. Cameron	5	1 0	650	..	122·75	..	..
D Loch Quoich (Kinlochquoich)	Col. D. W. Cameron	5	1 0	560	..	109·01	207	204
Loch Quoich (Glenquoich)	T. Mackenzie, Esq.	5	1 2	569	..	109·20	238	224
D Invergarry Gardens	T. Mackenzie, Esq.	5	1 0	130	..	49·42	230	191
8.—NESS—Moriston. 120 sq. mi.								
9.—NESS—Enrick. 131 sq. mi.								
D Inverness (Ruigh Ard Asylum)	Dr. T. C. Mackenzie	5	0 11	330	..	35·07	222	169
10.—BEAULY. 341 sq. mi.								
11.—CROMARTY FIRTH. 13 sq. mi.								
12.—SOUND OF SLEAT. 259 sq. mi.								
D Loch Nevis (Inverie Gardens)	Mr. J. Huggins	5	0 6	15	..	88·25	241	214
13.—SOUND OF ARISAIG. 126 sq. mi.								
D Moidart (Kinlochmoidart)	J. C. Stewart, Esq.	5	1 0	13	..	74·08	253	219
D Moidart (Roshven)	Mrs. Wm. Blackburn	5	1 0	40	..	68·70	255	204
D Arisaig (Faire-na-Sguir)	Miss C. C. Astley	5	1 0	30	..	50·12	240	189
D Arisaig House	Mr. W. Grant	5	1 0	45	62·9	61·33	224	202
d Mallaig Manse	Rev. D. M. Sinclair	5	1 0	150	..	52·78	..	..
14.—LOCH LINNHE—Right Bank Tributaries. 48 sq. mi.								
d Loch Eil (Achdalieu)	Col. D. W. Cameron	5	1 0	100	..	58·38?	..	185
15.—LOCHY—Right Bank Tributaries. 143 sq. mi.								
D Loch Arkaig (Achnacarry)	Col. D. W. Cameron	5	1 0	128	..	82·07	257	207
d Glendessary	Col. D. W. Cameron	5	1 0	300	..	(100·59)	..	226

DIVISION XVIII.—NORTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
INVERNESS—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
16.—LOCHY—Left Bank Tributaries. 362 sq. mi.								
Loch Treig (Creaguaineach)	British Aluminium Co. Ltd.	5	1 0	800	..	72·97	..	..
Loch Ossian (Strathossian Ho.)	British Aluminium Co. Ltd.	8	1 0	1180	..	69·08	..	..
Fort William (Allt'aMhuilinn) 22	British Aluminium Co. Ltd.	8	1 0	1000	..	(82·51)	..	..
Roybridge (Lairig Road)	British Aluminium Co. Ltd.	8	1 0	1650	..	90·08	..	..
Spean Bridge (Sgurr Finisgaig)	British Aluminium Co. Ltd.	8	1 0	2000	..	86·48	..	..
Loch Treig (Fersit)	British Aluminium Co. Ltd.	8	1 0	850	..	60·39	..	..
Loch Pattaig	Sir J. F. Ramsden, Bt.	5	0 8	1442	..	64·00	..	..
Glen Spean (Craigbeg)	British Aluminium Co. Ltd.	8	1 0	860	..	57·31	..	..
Loch Lochy (Invergloy)	Mr. J. Strang	5	1 0	200	..	62·73	..	..
Loch Laggan (Ardverikie)	Sir J. F. Ramsden, Bt.	5	0 6	825	..	60·85	..	..
17.—LOCH LINNHE—Left Bank Tributaries. 120 sq. mi.								
D North Ballachulish (Allitshellach)	B. Chinnery-Haldane, Esq.	5	2 1	80	..	78·51	262	220
D Glenleven (Blackwater Dam, N) 7	British Aluminium Co., Ltd.	8	1 0	1072	..	89·32	272	224
D Kinlochleven (Kinlochmore Lo.)	Mr. D. MacKenzie	5	1 0	115	..	88·01	270	224
Kinlochleven (Mamore Lodge)	Mr. D. MacKenzie	5	1 8	700	..	91·75	..	..
Glenleven (Invercam) .. No. 6	British Aluminium Co. Ltd.	8	1 6	1070	..	71·11	..	..
Glenleven (Cirain) ..... No. 3	British Aluminium Co. Ltd.	8	1 6	1200	..	77·28	..	..
Glenleven (Loch Eilde Mhor) 8	British Aluminium Co. Ltd.	8	1 6	1130	..	96·93	..	..
Glenleven (Loch Eilde Beg) No. 9	British Aluminium Co. Ltd.	8	1 6	1125	..	96·34	..	..
Glenleven (Corrour) .... No. 5	British Aluminium Co. Ltd.	8	1 6	1260	..	70·04	..	..
D Fort William	J. F. Watson, Esq.	5	1 0	281	78·8	76·04	253	203
18.—INSULAR, INNER HEBRIDES. 786 sq. mi.								
D Isle of Eigg	Rt. Hon. Walter Runciman, P.C.	8	2 8	150	..	56·49	221	200
Hyskier	Com'rs. of N. Lighths's.	5	0 5	31	..	46·69	..	..
D Skye (Kyleakin, Dunringell)	Maj. A. D. Mackinnon, C.M.G.	5	2 1	80	..	66·46	256	217
Kyleakin Lighthouse	Com'rs of N. Lighthouses.	5	0 8	28	..	61·85	204	198
Ornsay Lighthouse	Com'rs of N. Lighthouses.	5	0 6	10	..	50·12	181	177
D Skye (Scalpay Island)	Mr. D. Gunn	5	1 0	4	..	82·72	237	215
D Skye (Portree)	D. Dewar, Esq.	5	1 0	65	..	72·60	258	224
Skye (N. Eist Point)	Com'rs. of N. Lighthouses.	5	0 8	..	..	50·38	211	185
D Skye (Dunvegan)	Mrs. Mackenzie	5	3 0	47	..	61·86	232	196
Rona	Com'rs. of N. Lighths's.	5	1 3	202	..	38·69	213	178
19.—INSULAR, OUTER HEBRIDES. 243 sq. mi.								
Glas Island Lighthouse	Com'rs of N. Lighthouses.	5	0 9	31	..	47·14	213	196
Monach Lighthouse	Com'rs of N. Lighthouses.	8	0 4	2	..	29·23	..	..
d Barra, Eoligarry	Malcolm MacNeil, Esq.	5	..	..	..	(45·42)	(243)	(190)
D N. Harris (Amhuinsuidh Castle)	Norman Robertson, Esq.	5	1 3	12	..	57·25	242	211
ROSS & CROMARTY. (Area, 3237 sq. mi.)								
1.—NESS—Moriston. 35 sq. mi.								
2.—BEAULY. 109 sq. mi.								
3.—MORAY FIRTH COAST STREAMS. 64 sq. mi.								
D Fortrose	A. Thom, Esq.	5	1 0	69	..	27·83	201	143
d Fearn (Geanies)	A. Munro, Esq.	5	0 11	200	..	24·66	..	..
4.—CROMARTY FIRTH. 714 sq. mi.								
D Achnasheen (Ledgowan)	D. D. Macrae, Esq.	5	1 0	500	..	72·37	197	181
D Strathpeffer	W. P. Hutton, Esq.	8	1 0	125	30·5	34·94	209	159
D Dingwall (The Academy)	G. L. Turnbull, Esq.	5	1 0	..	..	31·71	187	142
D Cromarty House	late Brig.-Gen. W. C. Ross, C.B.	5	1 0	60	..	27·89	210	136
Cromarty	Com'rs. of N. Lighths's.	5	1 0	..	..	18·59?	..	..
D Alness (Ardross Castle)	Mr. John Melrose	5	1 0	450	38·5	42·99	226	165

DIVISION XVIII.—NORTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
ROSS & CROMARTY—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—DORNOCH FIRTH. 355 sq. mi.								
D Tain (Ardlarach)	Lt.-Col. C. MacIver Ritchie	5	0 6	400	..	32·95	208	164
Tarbetness	Com'rs. of N. Lighths's. ..	5	1 10	62	..	25·34	177	169
Ardgay (Gledfield)	James Groves, Esq.	8	1 0	70	..	46·60	223	183
6—ENARD BAY. 78 sq. mi.								
7.—LOCH BROOM & C. 367 sq. mi.								
Loch a' Bhraoin (Voain)	Rev. Sir Montague-Fowler, Bt.	8	0 9	822	..	68·54	..	..
Loch Drome	Rev. Sir Montague-Fowler, Bt.	8	0 7	905	..	68·45	..	..
Braemore House	Rev. Sir Montague-Fowler, Bt.	8	0 7	800	..	71·95	..	..
Inverbroom House	Rev. Sir Montague-Fowler, Bt.	8	0 7	50	..	58·57	..	..
D Ullapool	Dr. D. Wallace	5	1 6	75	..	52·06	218	188
8.—LOCH EWE, LOCH TORRIDON & C. 423 sq. mi.								
D Loch Torridon (Bendamph)	Earl of Lovelace	5	1 0	20	85·1	83·63	223	219
D Poolewe (Inverewe Gardens)	Mr. W. Hepburn	5	0 6	20	..	68·02	238	205
Rudh Ré Lighthouse	Com'rs. of N. Lighths's. ..	5	0 6	53	..	37·74?	225	192
9.—LOCH CARRON, LOCH ALSH & C. 401 sq. mi.								
D Glenshiel (Ratagan)	Forestry Commission	5	1 0	12	..	89·19	219	204
Loch Carron (Strome Ferry)	Mr. D. D. Munro	5	1 0	50	..	66·57	..	..
D Loch Carron (Dunhulladale)	Mrs. G. J. Campbell	5	1 0	9	..	75·93	259	219
Applecross Gardens	Mr. D. McCowan	5	1 0	70	57·3	65·51	..	..
D Achnashellach	Forestry Commission	5	1 0	225	..	85·73	235	214
10.—INSULAR, OUTER HEBRIDES. 691 sq. mi.								
D Stornoway (Leurbost School)	P. Copland, Esq.	5	0 6	100	..	49·07	252	196
Tiumpan Head Lighthouse	Com'rs of N. Lighthouses..	5	1 0	103	..	38·82?	..	..
Stornoway Lighthouse	Com'rs. of N. Lighths's. ..	5	0 6	28	..	50·67	206	193
D Stornoway	The Meteorological Office .	8	1 0	30	49·9	51·03	261	198
Butt of Lewis Lighthouse	Com'rs of N. Lighthouses..	8	3 9	51	..	41·90	..	..

DIVISION XIX.—NORTHERN COUNTIES.

SUTHERLAND. (Area, 2080 sq. mi.)								
1.—DORNOCH FIRTH. 413 sq. mi.								
D Lairg	A. Gunn, Esq.	5	1 0	330	37·3	40·57	220	172
2.—FLEET, BRORA & C. 309 sq. mi.								
D Golspie (Technical School)	E. W. Read, Esq.	5	1 9	100	..	30·08	231	162
Brora	C. A. Akroyd, Esq.	5	0 6	60	..	29·25	..	..
3.—HELMSDALE & C. 226 sq. mi.								
4.—NORTH COAST STREAMS 736 sq. mi.								
D Borgie (Skerray)	Mr. C. Spence	5	1 0	110	..	43·94	229	199
D Tongue	Mr. A. Sargent	5	1 0	180	41·0	41·78	243	188
D Melvich	A. MacIntosh, Esq.	5	1 0	200	36·0	35·91	214	190
Cape Wrath	Com'rs. of N. Lighths's. ..	5	0 9	346	..	42·90	191	180
5.—LOCH LAXFORD & C. 256 sq. mi.								
D Loch More (Achfary)	Mr. J. Munro	5	1 0	137	75·8	86·72	267	225

DIVISION XIX.—NORTHERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
SUTHERLAND—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
6.—ENARD BAY. 138 sq. mi.								
Stour Head	Com'rs. of N. Lighths's	5	0 10	174	..	33·99?	211	180
7.—INSULAR. 2 sq. mi.								
CAITHNESS. (Area, 696 sq. mi.)								
1.—BERRIEDALE, DUNBEATH & C. 169 sq. mi.								
Clythness	Com'rs. of N. Lighths's.	5	1 5	133	..	31·70	..	..
2.—WICK & C. 184 sq. mi.								
D Wick (South Head C. G. Stn.)	The Meteorological Office	8	1 2	81	29·9	30·29	251	181
Nosshead	Com'rs. of N. Lighths's.	5	0 9	129	26·7	25·63	178	166
3.—THURSO & C. 238 sq. mi.								
D Altnabreac	Mr. G. MacLennan	5	1 0	500	..	36·73	207	187
D Thurso (Buckies)	J. H. M. Davidson, Esq.	5	0 11	240	..	36·84	220	194
Thurso (Holburn Head)	Com'rs. of N. Lighths's.	5	0 8	68	..	25·13?	221	160
Dunnet Head	Com'rs. of N. Lighths's.	5	1 0	331	..	26·34	..	..
Duncansby Head	Com'rs. of N. Lighths's.	5	..	..	..	35·97	213	197
4.—FORSS & C. 104 sq. mi.								
D Reay (The Manse)	Rev. Dugald Carmichael	8	1 0	49	..	36·74	253	202
5.—INSULAR. 1 sq. mi.								
Stroma	Com'rs. of N. Lighths's.	5	3 0	54	..	27·53	189	148
ORKNEY. (Area, 389 sq. mi.)								
Hoy (Cantickhead)	Com'rs of N. Lighths's	5	3 10	68	35·5	33·66	..	..
Pentland, Skerries Lighthouse	Com'rs of N. Lighths's	5	3 0	70	..	30·82	..	..
Hoy (Graemsay Sound, High)	Com'rs of N. Lighths's	5	1 4	29	35·9	30·13	..	..
Hoy (Graemsay Sound, Low)	Com'rs of N. Lighths's	8	4 4	40	36·7	38·05	228	180
D Kirkwall (The Bk. of Scotland)	J. Davidson, Esq.	5	1 0	151	..	35·52	239	177
D Pomona (Deerness)	The Meteorological Office	5	1 0	160	35·4	37·72	261	177
Hellyar Holm	Com'rs of N. Lighths's	5	1 3	35	..	35·38	256	198
Shapinsay (Balfour Castle)	Mr. W. Liddell	5	0 6	50	31·6	29·72	..	..
Auskerry	Com'rs of N. Lighths's	5	1 0	22	..	29·39	249	178
Sanday (Start Point)	Com'rs of N. Lighths's	5	1 0	27	32·3	35·84	194	180
North Ronaldshay	Com'rs of N. Lighths's	5	0 9	22	..	37·57	253	195
SHETLAND. (Area, 558 sq. mi.)								
D Lerwick (Ft. Charlotte)	The Meteorological Office	8	1 0	54	..	42·96	234	189
D Lerwick Observatory (+A)	The Meteorological Office	8	1 0	269	..	41·25	253	190
D Bixter (Vementry)	Andrew Tait, Esq.	5	1 1	25	..	37·42	247	198
D Unst (Baltasound, Halligarth)	Dr. T. E. Saxby	5	1 9	31	..	44·28	281	200

IRELAND.

DIVISION XX.—MUNSTER.

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
CORK. (Area, 2873 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—SHANNON—Left Bank Tributaries. 79 sq. mi.								
2.—DINGLE BAY. 4 sq. mi.								
3.—KENMARE & C. 47 sq. mi.								
4.—BANTRY BAY. 197 sq. mi.								
Bantry House	Mrs. Shelswell-White	5	1 10	25	..	57·49	..	..
D Garinish Island	T. O'Donohoe, Esq.	5	0 9	15	..	69·90	209	194
5.—DUNMANUS BAY. 57 sq. mi.								
6.—BANDON & C. 694 sq. mi.								
D Castle Townshend (Glen Barrahane)	Sir M. P. Coghill, Bt....	5	1 3	100	44·7	43·36	233	173
D Castle Townshend (Seafield)	Major H. Chavasse	5	1 0	40	..	46·99	224	170
D Skibbereen (Hollybrook Farm)	C. M. Morgan, Esq.	8	1 6	60	..	57·29	204	177
D Caheragh (The Rectory)	Rev. A. W. Whitley	5	1 0	98	..	56·57	221	185
D Clonakilty (Shannon Vale Ho.)	T. J. Bennett, Esq.	5	1 3	135	..	42·33	194	172
D Kinsale (Scilly House)	J. J. Orr, Esq., M.D.	5	1 0	62	..	42·71	202	155
d Kinsale (Nohoval Rectory)	Rev. H. Hadden	..	..	272	..	44·12	..	..
D Dunmanway (The Rectory)	Rev. Canon A. Wilson	5	1 6	205	61·0	60·52	239	197
D Enniskean (Desertserges Rect.)	F. W. Dobbin, Esq., M.D.	5	1 6	125	..	51·83	217	186
7.—CORK HARBOUR. 726 sq. mi.								
D Cork (University College). (+A)	Prof. H. N. Walsh	5	1 0	65	40·0	45·87	220	167
D Cork (Wellington Road)	R. C. Sikes, Esq., C.E. ...	5	2 2	120	..	47·60	220	171
D Midleton (Ballincurra)	J. H. Bennett, Esq.	8	1 0	24	40·4	42·90	220	159
D Glanmire (Lota Lodge)	No. 1 A. F. Sharman-Crawford, Esq	5	1 0	200	42·6	50·28	239	173
Cork (St. Anns Hill Hydro.)	Dr. R. H. Barter*	8	1 0	216	..	41·33	..	..
8.—WOMANAGH & C. 118 sq. mi.								
D Roches Point	The Meteorological Office..	8	1 0	22	41·9	43·01	196	166
D Shanagarry (Kinoith)	Miss L. P. Strangman	5	1 0	75	..	39·12	196	156
9.—BLACKWATER. 922 sq. mi.								
D Mallow (Longueville)	R. E. Longfield, Esq.	5	1 0	310	37·3	43·45	240	183
Mallow (Hazlewood)	E. McLysaght, Esq.*	..	..	360	..	40·81	..	..
Kanturk (Castlecor)	Mrs. Norton Barry	..	..	..	..	42·62	247	196
10.—SUIR. 3 sq. mi.								
11.—INSULAR. 23 sq. mi.								

*Per Irish Rainfall Association.

DIVISION XX.—MUNSTER—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
KERRY. (Area, 1851 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—SHANNON—Left Bank Tributaries. 372 sq. mi.								
2.—TRALEE BAY & C. 221 sq. mi.								
Castlegregory (Kilgobbin Rec.)	Rev. E. A. Hackett*	5	4 0	30	..	(64·20)	..	..
Tralee (Technical School)	D. D. O'Sullivan, Esq.	5	30 0	52	..	42·78	201	..
3.—DINGLE BAY. 789 sq. mi.								
D Cahirciveen (ValentiaObs.) (+A)	The Meteorological Office	8	1 0	30	55·7	52·91	260	215
Killarney (Torc Mountain)	E. L. Phelps, Esq.*	..	..	1750	..	(70·00)	..	..
Killarney (Muckross Garden)	E. L. Phelps, Esq.*	..	..	100	..	67·60	..	..
Killarney (Muckross Lawn)	E. L. Phelps, Esq.*	..	..	100	..	68·30	..	..
D Killarney (District Asylum)	E. W. Griffin, Esq., M.D.	5	1 2	173	54·7	59·83	255	209
D Killarney (Lakeview)	Sir M. O'Connell, Bt.	5	1 0	120	..	59·15	207	192
D Killorglin (Callinafercy)	Maj. M. R. Leeson-Marshall	5	2 0	30	..	51·12	197	184
4.—KENMARE & C. 426 sq. mi.								
D Darrynane Abbey	Miss M. O'Connell	5	3 0	13	51·0	55·61	255	210
d Kilgarvan (Inchamore)	Prof. H. N. Walsh	5	1 0	470	..	107·62	..	197
D Kenmare (Dromore Castle)	Lt.-Col. E. Hood	5	1 4	90	65·1	71·44	253	226
D Kenmare (Sheen Falls)	Marquess of Lansdowne	5	0 5	25	..	73·59	261	220
5.—BLACKWATER. 30 sq. mi.								
6.—INSULAR. 13 sq. mi.								
WATERFORD. (Area, 715 sq. mi.)								
1.—BLACKWATER. 243 sq. mi.								
2.—COLLIGAN & C. 259 sq. mi.								
3.—SUIR. 213 sq. mi.								
D Knockaderry Reservoir No. 1.	D. Sheedy, Esq.	5	7 6	248	..	45·52	205	147
D Knockaderry Reservoir No. 2.	D. Sheedy, Esq.	5	1 0	248	41·3	52·02	205	160
D Waterford (Brook Lodge)	Miss Bolton	5	1 0	104	39·5	42·23	206	169
d Tycor Waterworks	D. Sheedy, Esq.	5	0 7	170	..	37·50?	..	149
D Waterford (Gortmore)	Mrs. N. H. White	5	1 2	137	38·9	45·32	211	163
D Portlaw (Mayfield)	Mr. M. Sheehan	8	0 10	25	43·1	45·80	205	163
D Portlaw (Curraghmore Gdns.)	Mr. W. H. Arrowsmith	5	1 0	95	..	58·08?	205	172
D Carrick-on-Suir (Seskin)	Louis Grubb, Esq.	8	1 0	542	45·0	48·30	237	175
TIPPERARY. (Area, 1660 sq. mi.)								
1.—SHANNON—Left Bank Tributaries. 582 sq. mi.								
Cappaghwhite (Greenfields Stud)	Mr. P. Schofield*	5	1 9	350	..	38·19	..	..
D Nenagh (Traverston)	Miss A. H. Norris	5	1 0	333	45·2	44·80	285	187
D Killaloe (Ballina)	Office of Public Works	5	2 0	126	47·4	43·73	221	184
D Nenagh (St. Mary's Rectory)	Rev. Canon C. W. McDowell	5	1 0	180	..	44·52	195	171
D Nenagh (Castle Lough)	S. Parker-Hutchinson, Esq.	5	1 3	120	39 5	41·64	232	188
Terryglass (Old Court)	M. D. Hickie, Esq.	5	1 0	150	..	37·91	229	175
D Terryglass (Slevoyre)	Gen. Sir W. B. Hickie, K.C.B.	8	1 0	143	..	33·36	214	155

* *Per* Irish Rainfall Association.

DIVISION XX.—MUNSTER—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
TIPPERARY—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—BLACKWATER. 21 sq. mi.								
3.—SUIR. 965 sq. mi.								
Clonnel (Coolgreany)	Mrs. J. Crean*	8	1 0	100	..	39·94	..	..
D Cahir (Abbey)	Mrs. W. Rochfort	5	1 0	160	39·2	42·32	226	177
d Fethard (Coolmore)	Miss Murphy*	5	1 0	347	..	40·00	..	..
D Cashel (Ballinamona)	E. W. M. Murphy, Esq.	5	1 0	262	36·8	40·62	236	178
Thurles (Brittas Castle)	Mrs. Knox*	6	1 0	360	..	33·60	..	..
d Templemore (Barnane)	Capt. A. Carden, R.A.	5	1 0	650	..	46·82	..	196
4.—BARROW—Nore. 92 sq. mi.								
d Roscrea (Timoney Park)	S. Parker-Hutchinson, Esq.	5	1 0	475	36·2	38·92	191	166
LIMERICK. (Area, 1040 sq. mi.)								
1.—SHANNON—Right Bank Tributaries. 7 sq. mi.								
2.—SHANNON—Left Bank Tributaries. 944 sq. mi.								
d Abbeyfeale (Springmount Sch.)	J. F. O'Kelly, Esq.	5	1 0	360	..	45·33	..	157
D Knocklong (Kilfrush)	F. J. B. Gubbins, Esq.	5	1 0	312	..	40·85	228	192
Glin (Shannon Lawn)	C. V. Hickie, Esq.	5	3 6	20	..	42·00	..	..
D Foynes (Coolnanes)	Lord Monteagle	5	1 0	50	39·7	43·32	238	185
D Foynes (National School)	W. Purtill, Esq.	5	2 8	15	..	42·77	207	180
d Limerick (O'Connell Street)	R. Davison, Esq., C.E.	5	1 0	51	37·9	38·17	..	..
D Limerick (Mulgrave Street)	Messrs. W. J. Shaw & Sons	5	1 1	60	..	40·40	236	189
Limerick (Boat Club)	W. J. C. Horne, Esq.	5	1 0	50	..	40·49	..	188
D Castleconnell Rectory	Rev. Canon L. G. Davis	5	1 0	88	..	38·90	192	172
3.—BLACKWATER. 64 sq. mi.								
4.—SUIR. 25 sq. mi.								
CLARE (Area, 1270 sq. mi.)								
1.—GALWAY BAY, SOUTH. 100 sq. mi.								
2.—MAL BAY & C. 294 sq. mi.								
D Kilkee (Marine Parade)	R. N. Griffin, Esq.	5	1 1	9	..	47·25	244	201
D Inagh (Mount Callan)	Lt.-Col. F. Tottenham	5	1 0	479	67·2	68·32	230	219
3.—SHANNON—Right Bank Tributaries. 854 sq. mi.								
D Dromoland Castle	Lord Inchiquin	5	1 6	45	..	41·48	234	183
D Broadford (Hurdlestown)	Lt.-Col. W. A. Bentley	5	1 0	167	39·7	45·08	250	194
D Tuamgraney (Raheen Ho.)	E. MacLysaght, Esq.	5	0 7	180	..	48·05	211	178
4.—INSULAR. 22 sq. mi.								

* *Per* Irish Rainfall Association.

DIVISION XXI.—LEINSTER.

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with .01 in. or more.	Days with .04 in. or more.
WEXFORD. (Area, 902 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—BARROW. 43 sq. mi.								
2.—OWENDUFF & C. 240 sq. mi.								
D Foulkesmill (Longraigue)	Miss J. Deane	5	1 1	220	39·3	47·16	186	173
3.—SLANEY & C. 467 sq. mi.								
D Johnstown Castle	Lady Maurice Fitzgerald	5	1 0	201	..	42·80	194	150
D Enniscorthy Rectory	Rev. H. C. Lyster	5	1 0	100	..	40·34	208	165
D Enniscorthy (Monksgrange)	Goddard H. Orpen, Esq.	5	1 0	565	49·0	53·78	227	192
Enniscorthy (Woodbrook)	E. C. Blacker, Esq.	5	1 0	370	48·8	57·38	223	197
D Newtownbarry (Weston)	G. T. Lewis, Esq.	5	1 0	153	..	46·84	203	150
4.—OWENAVORRAGH & C. 146 sq. mi.								
D Gorey (Courtown House)	Earl of Courtown	5	3 0	60	34·7	38·54	192	139
5.—OVOCA & C. 6 sq. mi.								
KILKENNY. (Area, 798 sq. mi.)								
1.—SUIR. 162 sq. mi.								
2.—BARROW—Nore. 527 sq. mi.								
d Kilkenny (Desart Court)	D. Calthorpe, Esq.*	5	1 0	..	..	34·86	..	157
D Kilkenny Castle	Earl of Ossory	8	1 6	194	33·1	35·39	221	168
D Castlecomer House	Capt. R. H. Prior-Wandesforde	5	1 0	380	39·6	41·56	213	175
3.—BARROW. 109 sq. mi.								
WICKLOW. (Area, 781 sq. mi.)								
1.—BARROW. 12 sq. mi.								
2.—SLANEY. 200 sq. mi.								
D Shillelagh (Coollattin Gardens)	Mr. F. W. Cox	5	0 9	383	41·9	42·17	190	158
3.—OVOCA & C. 241 sq. mi.								
D Arklow Rectory	Mrs. C. L. Strong	5	3 6	186	..	37·07	209	151
D Rathdrum (Avondale)	A. C. Forbes, Esq.	5	1 0	400	..	45·38	196	155
4.—VARTRY & C. 193 sq. mi.								
D Rathnew (Clonmannon)	R. H. S. Truell, Esq.	5	1 6	27	33·1	34·66	197	134
D Roundwood (Vartry Lodge)	Dublin Corporation W.W.*	5	1 8	720	45·0	45·16	220	157
D Roundwood	Dublin Corporation W.W.*	5	1 8	750	44·6	48·28	213	148
D Newcastle (Killadreenan)	Dr. C. Denys Hanan	8	1 2	256	..	38·99	197	137
D Greystones (Rathdown)	Miss N. G. Moore	5	0 6	160	..	40·06	213	142
5.—LIFFEY & C. 135 sq. mi.								
D Blessington Rectory	Rev. W. Reeves Scully	5	0 8	670	..	41·05	201	159

* *Per* Irish Rainfall Association.

DIVISION XXI.—LEINSTER—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
CARLOW. (Area, 346 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—BARROW—Nore. 9 sq. mi.								
2.—BARROW. 216 sq. mi.								
D Bagnalstown (Fenagh House)	D.R.P.Beresford,Esq.O.B.E.	5	1 0	340	34·9	35·65	203	146
D Carlow (Belmont)	Capt. E. M. Thomas	5	1 0	191	..	37·21	185	162
D Carlow (Browne's Hill)	Brig.-Gen.R.Browne Clayton	5	1 0	291	34·1	34·36	218	179
3.—SLANEY. 121 sq. mi.								
D Rathvilly (Lisnavagh Gardens)	C. E. Faulkner, Esq.		4 0	400	..	40·91	248	185
D Hacketstown Rectory	Rev. C. S. S. Ellison	5	1 2	590	39·5	45·75	242	178
QUEEN'S COUNTY. (Area, 664 sq. mi.)								
1.—SHANNON—Left Bank Tributaries. 25 sq. mi.								
2.—BARROW—Nore. 339 sq. mi.								
D Abbey Leix (Blandsfort)	H. Bland, Esq.	5	2 6	532	36·5	39·92	227	174
D Mountrath (Baunreagh)	J. O'Keeffe, Esq.	5	1 0	810	..	57·81	207	187
3.—BARROW. 300 sq. mi.								
Carlow (Sunnyside)	E. Shackleton, Esq.	5	1 0	178	33·2	40·46	212	156
D Mountmellick (Summer Grove)	W. A. Robinson, Esq.	5	1 0	252	..	39·27	239	180
KING'S COUNTY. (Area, 772 sq. mi.)								
1.—SHANNON—Left Bank Tributaries. 560 sq. mi.								
D Birr Castle	Earl of Rosse	8	1 0	175	32·6	33·04	214	157
D Meelick (Victoria Lock)	Office of Public Works	5	2 0	121	29·9	30·68?	234	163
D Tullamore(St.Catherine's Rect.)	The Very Rev. R. S. Craig	5	1 6	201	32·6	32·16	219	160
Tullamore(St. Vincent's Hosp.)	Dr. G. A. Moorhead	5	1 0	225	..	30·28	..	..
D Ferbane (Turraun Peat Works)	Leinster Carbonizing Co.	8	1 2	165	..	32·79	201	160
D Ballycumber (Bellair Ho.)	Mrs. F. B. Mulock	5	..	290	..	34·51	221	177
2.—BARROW—Nore. 5 sq. mi.								
3.—BARROW. 156 sq. mi.								
Edenderry (Tubberdaly Ho.)	J. Murphy, Esq.	5	1 0	330	..	40·43	..	..
4.—BOYNE. 51 sq. mi.								
KILDARE. (Area, 654 sq. mi.)								
1.—BARROW. 332 sq. mi.								
2.—LIFFEY. 246 sq. mi.								
D Straffan House	B. H. Barton, Esq.	5	1 0	256	31·4	34·81	196	157
Clongowes Wood College	Rev. J. Harland, S.J.*	..	..	246	..	32·97	210	..
3.—BOYNE. 76 sq. mi.								

* *Per* Irish Rainfall Association.

DIVISION XXI.—LEINSTER—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
DUBLIN. (Area, 354 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—VARTRY & C. 23 sq. mi.								
D Shankill (Sherrington)	Lt.-Col. J. C. W. Erck ...	5	1 0	115	..	34·34	191	144
d Carrickmines (Claremount)	John O. B. Read, Esq. ..	5	0 11	300	30·6	35·79	..	131
D Killiney (Rathleigh)	H. R. Maunsell, Esq.....	5	3 6	..	..	32·85	178	132
2.—LIFFEY & C. 188 sq. mi.								
D Glen-na-Smoel(RathminesWW)	W. H. Lambert, Esq.	5	1 0	510	..	39·32	225	178
D Stillorgan (Vartry Res.)	R. Jackson, Esq.	5	1 4	278	..	32·82	188	148
D Ballyboden (Rathmines W.W.)	W. H. Lambert, Esq.	5	1 0	344	..	38·96	230	167
D Stillorgan (Farmleigh)	T. Jackson, Esq.	5	1 1	220	..	37·98	239	162
d Kingstown (Harbour Yard)	Office of Public Works ...	8	1 0	52	28·3	36·87	..	..
D Rathfarnham Castle	Rev. M. C. Pelley, S.J. ..	8	1 0	175	..	34·92	219	150
D Belgard Castle	Capt. A. F. Maude	5	1 6	400	..	32·35	206	145
D Rathmines (Neville Road)	T. H. Mason, Esq.	5	6 0	100	..	34·35	200	161
D Harold's Cross (Pretoria Terrace)	Late E. H. Cannon, Esq.	5	0 11	155	27·5	31·59	211	144
D Donnybrook (Anglesea Road)	F. C. D. Joynt, Esq.	5	1 0	30	..	33·92	198	156
d Clondalkin (Cheeverstown)	Miss M. Love	5	1 4	350	..	37·29	..	..
D Dublin (FitzWilliam Square)	Sir J. W. Moore, M.D.	8	1 6	54	27·4	32·38	214	148
D Dublin (Ringsend Pumpg. Stn.)	G. S. Harty, Esq.	10	1 1	25	..	31·40	219	139
D Dublin (Trinity College)	Prof. W. E. Thrift	8	1 0	12	26·1	31·63	199	146
D Dublin (Phoenix Park)	Ordnance Survey Office ..	8	1 0	155	27·6	33·82	204	149
D Lucan (Peamount San.)	Medical Officer.....	5	5 9	366		(32·84)	..	..
D Clontarf (Pumping Station)	G. S. Harty, Esq.	5	4 0	22		28·77	191	130
D Glasnevin (Botanic Gdns.)	The Director.....	8	1 0	55	27·9	32·89	222	143
D Howth Castle	J.Gaisford St.Lawrence,Esq.	5	1 9	35	..	31·60	205	138
3.—NANNY, DELVIN & C. 142 sq. mi.								
D Malahide (Seamount)	J. G. Jameson, Esq.	5	1 0	150	..	34·52	198	153
d Malahide (St. Andrews)	Ven. Archdeacon T. S. Lindsay	5	1 3	100	..	33·51	..	158
D Lusk (Nevitt)	W. Monks, Esq.....	5	1 0	139	..	35·07	215	140
D Skerries (Milverton Hall)	Capt. E. G. Woods	5	1 6	190	28·0	30·41	200	147
D Balbriggan (Ardgillan)	No. 1Capt. E. R. Taylor	5	1 0	210	29·0	34·73	213	151
4.—INSULAR. 1 sq. mi.								
D Lambay Island	Hon. Cecil Baring	5	1 0	20	27·4	30·56	173	133
MEATH. (Area, 909 sq. mi.)								
1.—SHANNON—Left Bank Tributaries. 32 sq. mi.								
2.—LIFFEY & C. 72 sq. mi.								
D Dunboyne (Stirling, Clonee)	Mr. J. Pilkington	8	1 0	231	33·3	33·80	201	151
3.—NANNY, DELVIN & C. 150 sq. mi.								
4.—BOYNE. 560 sq. mi.								
D Summerhill House	Mr. W. Lauder	5	1 0	372	33·7	38·11	190	153
Dunsany Castle Gardens	Mr. J. B. Pow	5	1 0	323	..	38·59	201	147
D Athboy (Frankville)	Mrs. C. Coghill	8	1 3	227	35·5	40·37	195	182
D Beauparc (St. Cloud)	W. J. Hopkins, Esq.	5	1 0	215	..	37·34	211	164
D Kells (Headfort)	The Marquis of Headfort..	8	0 8	227	37·0	35·91	226	155
5.—DUNDALK BAY. 95 sq. mi.								

* *Per* Irish Rainfall Association.

DIVISION XXI.—LEINSTER—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
WESTMEATH. (Area, 712 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—SHANNON—Left Bank Tributaries. 517 sq. mi.								
D Athlone	Office of Public Works ...	5	2 9	132	28·2	35·65 ?	212	165
Athlone (Twyford House)	J. P. Hodson, Esq.	5	1 0	187	37·0	40·37	219	..
D Streamstown (Windmill)	F. W. Jeeves, Esq.	5	1 6	..	..	35·85	211	163
D Moate (Coolatore)	H. A. S. Upton, Esq.	5	1 6	369	36·0	34·40	227	170
D Mullingar (Belvedere House)	Mr. J. Bayliss	5	1 0	367	36·3	35·81	225	159
D Mullingar (Ballynegall Gardens)	Major Hawkesworth Smyth	5	2 3	340	39·0	35·79	221	177
D Rathowen (Cromlyn)	(R) Maj.-Gen. J. P. Battersby, C.B.	8	1 6	298	36·1	37·89	224	180
D Castlepollard (Gillardstown Ho.)	Mrs. W. Hardy.....	5	1 0	290	..	38·34	211	167
2.—BOYNE. 195 sq. mi.								
LOUTH. (Area, 316 sq. mi.)								
1.—BOYNE. 32 sq. mi.								
2.—DUNDALK BAY & C. 264 sq. mi.								
D Dundalk Rectory	Rev. T. F. Campbell.....	5	1 0	10	..	36·47	231	155
Dundalk (Ballymacallet Mt.)	M. Sellars, Esq., C.E.	5	2 3	670	..	37·36 ?	..	..
D Dundalk (Aughneskea Res.)	M. Sellars, Esq., C.E.	5	1 3	207	..	42·02	203	169
3.—CARLINGFORD LOUGH. 20 sq. mi.								
D Greenore	S. Wilson, Esq.	5	1 0	20	31·9	39·18	212	151
LONGFORD. (Area, 424 sq. mi.)								
1.—ERNE. 61 sq. mi.								
2.—SHANNON—Left Bank Tributaries. 363 sq. mi.								
D Ballymahon (New Castle)	Col. W. A. King-Harman ..	5	2 5	200	36·7	35·98	227	162
Longford (The Rectory)	Rev. H. Justice	5	1 0	185	..	40·02	232	176
D Cloondrah	Office of Public Works ...	5	2 0	132	..	28·48 ?	232	155
D Castle Forbes Gardens	The Earl of Granard.....	8	1 0	161	37·6	38·77	231	177

DIVISION XXII.—CONNAUGHT.

GALWAY. (Area, 2377 sq. mi.)								
1.—ERIFF & C. 141 sq. mi.								
2.—GALWAY BAY NORTH. 277 sq. mi.								
3.—CORRIB. 846 sq. mi.								
D Galway (Grammar School)	T. W. Hall, Esq.	5	1 0	50	..	42·79	242	188
D Ballynahinch Castle	The Maharajah Jam Sahib	5	1 9	41	61·0	74·18	284	240
Tuam (Gardenfield)	R. J. Kirwan, Esq., C.E. ..	5	1 0	155	44·1	(45·09)	..	..
4.—GALWAY BAY, SOUTH. 281 sq. mi.								

* *Per* Irish Rainfall Association.

DIVISION XXII.—CONNAUGHT—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
GALWAY—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—SHANNON—Right Bank Tributaries. 803 sq. mi.								
Killimor (Ramore)	Miss N. MacDermott	5	1 0	220	..	38·52	184	164
D Ahascragh (Clonbrock)	The Hon Miss Dillon	10	5 6	198	41·6	46·42	204	185
6.—INSULAR. 29 sq. mi.								
ROSCOMMON. (Area, 961 sq. mi.)								
1.—SLIGO BAY. 6 sq. mi.								
2.—MOY. 11 sq. mi.								
3.—CORRIB. 16 sq. mi.								
4.—SHANNON—Right Bank Tributaries. 928 sq. mi.								
Strokestown (Castlenode)	W. J. Walpole, Esq.	5	1 0	160	35·0	41·13	195	166
Jamestown (Albert Lock)	Office of Public Works	5	2 0	146	..	25·49 ?	197	146
MAYO. (Area, 2149 sq. mi.)								
1.—SLIGO BAY. 10 sq. mi.								
2.—MOY & C. 797 sq. mi.								
D Castlebar Rectory	Rev. J. Jackson	5	1 8	145	..	56·47	269	221
3.—BLACKSOD BAY & C. 411 sq. mi.								
D Blacksod Point	Meteorological Office	8	1 0	10	49·7	55·19	268	237
4.—CLEW BAY. 254 sq. mi.								
D Westport House	The Marquess of Sligo	5	1 0	35	46·6	55·08	263	210
D Mallarany	M. C. Forbes, Esq..	5	1 0	120	..	74·97	264	232
5.—ERIFF & C. 121 sq. mi.								
D Aasleagh Rectory	Rev. F. T. Cockle	5	1 0	30	..	104·37	269	237
D Aasleagh House	The Marquess of Sligo	5	1 0	30	87·0	106·72	268	234
D Delphi Lodge	The Marquess of Sligo	5	1 0	110	99·0	106·48	279	251
6.—CORRIB. 432 sq. mi.								
Ballinrobe (Creagh House)	H. H. C. Knox, Esq.	5	1 0	103	48·7	56·89	..	..
D Tourmakeady (Drimbawn Ho.)	Capt. E. G. Woods	5	1 6	100	..	59·41[26]	255	191
7.—SHANNON—Right Bank Tributaries. 35 sq. mi.								
8.—INSULAR. 89 sq. mi.								
SLIGO. (Area, 716 sq. mi.)								
1.—DROWES & C. 49 sq. mi.								
2.—SLIGO BAY. 444 sq. mi.								
D Collooney (Markree Obsy.)	J. R. Armstrong, Esq.	5	1 0	122	43·5	48·11	242	198
D Sligo (Ard-na-veagh)	R. J. Kirwan, Esq., C.E.	5	1 0	90	..	49·29	244	204
3.—MOY & C. 166 sq. mi.								
4.—SHANNON—Right Bank Tributaries. 56 sq. mi.								
5.—INSULAR.—1 sq. mi.								

DIVISION XXII.—CONNAUGHT—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927 Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
LEITRIM. (Area, 615 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—ERNE. 152 sq. mi.								
2.—DROWES & C. 85 sq. mi.								
3.—SLIGO BAY. 135 sq. mi.								
4.—SHANNON—Right Bank Tributaries. 47 sq. mi.								
5.—SHANNON—Left Bank Tributaries. 196 sq. mi.								
D Ruskey	Office of Public Works	5	2 0	141	..	29·22 ?	223	185
D Drumshanbo(LoughAllenSluice)	Office of Public Works	5	2 0	169	..	32·45 ?	251	160

DIVISION XXIII.—ULSTER.

CAVAN. (Area, 753 sq. mi.)								
1.—ERNE. 489 sq. mi.								
D Crossdoney (Kevit Castle)	F. P. Smith, Esq.	5	2 11	211	..	37·99	223	174
d Killeshandra (Castle Hamilton)	Major W. J. Hamilton	5	4 4	300	..	39·82	..	159
D Belturbet (Cloverhill)	Miss M. L. Gee	5	1 0	202	34·6	33·03	232	173
2.—SHANNON—Right Bank Tributaries. 34 sq. mi.								
3.—SHANNON—Left Bank Tributaries. 91 sq. mi.								
4.—BOYNE. 122 sq. mi.								
5.—DUNDALK BAY. 17 sq. mi.								
FERMANAGH. (Area, 713 sq. mi.)								
1.—ERNE. 667 sq. mi.								
D Enniskillen (tle Coole)	Lady Dorothy Lowry-Corry	5	1 0	240	..	38·39	251	183
d Enniskillen (Technical School)	J. W. Mansfield, Esq.*	5	0 10	165	..	(37·70)	..	..
d Enniskillen (Portora School)	H. S. Scales, Esq.	5	1 0	251	40·3	37·76	..	..
D Belleek (Heronshaw)	T. Beacom, Esq.	5	1 2	150	45·5	45·28	241	213
2.—DROWES & C. 46 sq. mi.								
MONAGHAN. (Area, 498 sq. mi.)								
1.—ERNE. 208 sq. mi.								
2.—DUNDALK BAY. 132 sq. mi.								
3.—BANN—Lough Neagh, West. 158 sq. mi.								
D Monaghan (Workhouse)	Dr. J. Campbell Hall	5	1 0	240	31·4	40·61	235	177

* *Per* Irish Rainfall Association.

DIVISION XXIII.—ULSTER—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
ARMAGH (Area, 514 sq. mi.).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—DUNDALK BAY. 118 sq. mi.								
Crossmaglen (Anamar)	P. Norris, Esq.	5	1 7	434	..	39·19	191	156
2.—CARLINGFORD LOUGH. 23 sq. mi.								
D Bessbrook (The Woodhouse)	J. S. W. Richardson, Esq.	5	1 0	260	..	41·34	233	179
3.—BANN—Lough Neagh, East. 37 sq. mi.								
D Lurgan (Belle Vue)	S. A. Bell, Esq., J.P.	5	0 5	200	29·7	31·44	216	152
4.—BANN, UPPER. 144 sq. mi.								
5.—BANN—Lough Neagh, West. 192 sq. mi.								
D Armagh Observatory .... (+A)	The Meteorological Office..	8	1 0	204	31·7	32·61	229	150
D Richhill (Sandymount)	Mrs. C. B. Lamb	5	1 6	200	..	30·25	214	159
DOWN. (Area, 961 sq. mi.)								
1.—CARLINGFORD LOUGH. 104 sq. mi.								
D Newry (Bridge Street House)	C. Blaney, Esq.	5	1 0	23	38·1	43·23	210	174
2.—DUNDRUM BAY & C. 173 sq. mi.								
D Annalong (Belfast W.W.)	C. F. Wheeler, Esq., C.E. ..	5	2 9	435	..	51·10	252	172
D Mourne Mount'ns (Fofanny Res.)	J. H. H. Swiney, Esq., C.E..	5	1 0	938	..	75·40	215	182
D Seaforde	T. W. Forde, Esq.	8	0 5	180	38·3	40·41	194	156
3.—STRANGFORD LOUGH. 260 sq. mi.								
D Saintfield House	Rev. E. H. Blackwood Price	5	0 9	275	..	42·71	252	184
D Newtownards (The Manse)	A. M. Young, Esq.	5	0 9	38	..	38·33	189	152
4.—COAST STREAMS. 47 sq. mi.								
D Donaghadee (Coastguard Stat.)	The Meteorological Office..	8	1 0	40	31·3	35·35	232	163
D Donaghadee (Craigmore)	Dr. S. B. Coates	5	1 0	60	..	34·64	231	159
5.—BELFAST LOUGH. 206 sq. mi.								
D Waringstown (The Forge)	W. J. Gibson, Esq.	5	1 0	187	..	34·04	224	161
Bangor (Chorlton)	C. T. Ingold, Esq.	7	0 11	67	..	35·48	..	..
6.—BANN—Lough Neagh, East. 7 sq. mi.								
7.—BANN, UPPER. 162 sq. mi.								
D Banbridge (Observatory)	H. D. Fleming, Esq.....	5	1 6	210	..	35·41	233	168
D Banbridge (Milltown)	J. E. Kennedy, Esq.....	5	1 0	200	31·0	35·29	232	152
d Banbridge (Millbank)	Mrs. F. A. Mulligan	5	1 0	257	..	34·58	..	154
D Portadown (Moyallon House)	Mr. J. Lynas	5	0 5	130	32·6	32·78	218	158
8.—INSULAR. 2 sq. mi.								

DIVISION XXIII.—ULSTER—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
ANTRIM. (Area, 1193 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—BELFAST LOUGH. 107 sq. mi.								
D Lisburn (Friend's School)	J. Woolman, Esq.	8	1 6	208	..	36·52	239	161
D Dunmurry (Warren House)	Col. H. R. Charley	5	0 10	110	..	38·82	236	173
D Belfast (Queen's University)	J. A. Badger, Esq.	5	1 0	62	34·6	39·20	229	169
D Belfast (Royal Acad. Inst.)	J. W. Darbyshire, Esq.	5	1 0	13	..	38·86	210	172
D Belfast (Cave Hill Road)	Miss C. Firth	5	1 0	200	..	39·81	256	185
D Belfast (Oldpark Filters)	C. F. Wheeler, Esq., C.E.	5	3 6	203	..	37·43	205	162
D Whiteabbey (Knockinagh)	H. Chisholm, Esq.	5	1 0	200	..	36·87	227	178
D Carrickfergus (Dorisland)	C. F. Wheeler, Esq., C.E.	5	3 7	225	37·7	35·20	209	170
D Carrickfergus (SouthWoodburn)	C. F. Wheeler, Esq., C.E.	5	3 0	640	41·9	42·40	226	192
D Carrickfergus (NorthWoodburn)	C. F. Wheeler, Esq., C.E.	5	3 0	737	45·4	42·93	226	188
D Carrickfergus (Copeland)	C. F. Wheeler, Esq., C.E.	5	3 0	424	37·7	36·21 ?	226	170
D Carrickfergus (Lough Mourne)	C. F. Wheeler, Esq., C.E.	5	3 0	596	42·0	40·95	226	180
2.—GLENARM & C. 186 sq. mi.								
D Larne (Sallagh Springs)	J. H. H. Swiney, Esq., C.E.	5	1 0	566	..	50·46	237	217
D Glenarm Castle	Mr. T. Daly	5	1 4	30	44·6	46·85	242	209
3.—BUSH & C. 193 sq. mi.								
D Ballycastle (Magherintemple)	R. Casement, Esq.	5	1 7	220	..	43·74	235	182
D Ballycastle (Sheskburn)	Rev. E. F. Campbell	5	0 11	10	..	42·31	266	196
4.—BANN, LOWER. 112 sq. mi.								
5.—BANN—Lough Neagh, East. 590 sq. mi.								
D Stonyford (Belfast W.W.)	C. F. Wheeler, Esq., C.E.	5	1 6	450	35·7	35·80	195	164
D Aldergrove Aerodrome	The Meteorological Office.	8	1 0	238	..	34·49	237	165
D Ballymena (Harryville)	J. R. Williams, Esq.	5	1 5	150	41·5	40·29	248	212
D Broughshane (Tullymore Sch.)	E. W. Thomson, Esq.	5	1 2	218	..	39·35	249	195
D Broughshane (Quolie)	H. O'Hara, Esq., C.E.	5	1 3	864	47·3	46·53	255	208
6.—INSULAR. 5 sq. mi.								
LONDONDERRY. (Area, 816 sq. mi.)								
1.—LOUGH SWILLY. 6 sq. mi.								
D Londonderry (Dunruadh)	J. H. Welch, Esq.	5	0 6	150	..	38·53	245	205
2.—BUSH & C. 9 sq. mi.								
3.—BANN, LOWER. 240 sq. mi.								
D Coleraine (Cutts House)	Maxwell Given, Esq., C.E.	8	1 0	20	..	38·27	238	191
4.—BANN—Lough Neagh, West. 196 sq. mi.								
5.—FOYLE & C. 365 sq. mi.								
M Glenedra (Spelhoagh Mountain)	M. A. Robinson, Esq., C.E.	5	1 0	1333	..	63·49	..	..
D Glenedra Hill	M. A. Robinson, Esq., C.E.	5	1 0	1333	..	66·80	249	228
D Glenedra Lodge (+A)	M. A. Robinson, Esq., C.E.	5	1 0	950	..	60·75	249	226
D Londonderry (Creggan Res.)	Mr. W. Hutchinson	8	1 0	325	41·8	42·56	278	219
D Limavady (Dogleap)	Miss D. Robertson	5	1 0	146	..	37·67	247	203
D Limavady (Roevista Manse)	Rev. W. Browne	5	1 0	70	..	35·50	210	175
Limavady (Drenagh)	M. M. McCausland, Esq.	5	1 6	80	37·0	35·76	238	187
Bellarena	Sir F. G. Heygate	8	3 9	12	38·4	39·33	236	222

DIVISION XXIII.—ULSTER—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1927: Rainfall.	1927: Days with ·01 in. or more.	1927: Days with ·04 in. or more.
TYRONE. (Area, 1257 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—ERNE. 46 sq. mi.								
2.—BANN—Lough Neagh, West. 442 sq. mi.								
D Dungannon (Aloha)	Major R. Stevenson	5	1 0	275	..	37·54	246	180
D Donaghmore	D. Brown, Esq.	5	1 3	260	..	39·63	193	180
3.—FOYLE. 769 sq. mi.								
D Omagh (Edenfel)	Lt.-Col. J. B. Buchanan	8	1 0	280	40·1	36·95	242	177
D Newtown Stewart (Barons Ct.)	Robert Bell, Esq.	5	1 0	250	..	39·27	247	176
D Sion Mills (Sion House)	Capt. J. C. Herdman	5	3 0	100	..	38·65	229	182
DONEGAL. (Area, 1875 sq. mi.)								
1.—DONAGH & C. 146 sq. mi.								
D Malin Head	The Meteorological Office	8	1 3	51	32·0	38·25	238	188
2.—LOUGH SWILLY. 273 sq. mi.								
D Rathmullen (Fort Royal)	Col. J. H. Jellett	5	1 4	35	..	43·46	256	203
3.—SHEEPHAVEN & C. 307 sq. mi.								
D Milford (The Manse)	Rev. W. J. Young	5	1 6	150	42·0	43·14	246	204
D Dunfanaghy (St. Patrick's)	W. T. Arnold, Esq.	..	..	..	..	44·10	255	205
4.—GWEEBARRA & C. 341 sq. mi.								
5.—DONEGAL BAY. 322 sq. mi.								
D Killybegs (Rockmount)	Com. G. G. Philipps, R.N.	5	1 0	65	60·5	62·31	254	223
6.—ERNE.—68 sq. mi.								
7.—DROWES & C. 10 sq. mi.								
8.—FOYLE. 396 sq. mi.								
9.—INSULAR. 12 sq. mi.								

BRITISH RAINFALL,

1927.

PART IV.

SNOWFALL IN THE BRITISH ISLES DURING THE HALF-CENTURY, 1876-1925.

By L. C. W. BONACINA, F.R.Met.Soc.

I. Method of Investigation.

The snowfall of our islands, like that of many other countries, has not been given the attention that the subject deserves. This is the more remarkable in view of the economic importance in agriculture and water supply of snowfall as such, apart from its melted equivalent of rainfall, of the striking beauty and the invigorating effects of dry snow, and, not least, of the fact that when it comes in large quantities snow is a formidable force of nature against which human effort may be unavailing. The Meteorological Office *Book of Normals* (Section IVb) makes a useful beginning of the systematic study of British snowfall in that it gives tables of frequency statistics concerning the number of days on which snow falls and on which it is lying on the ground according to certain definitions; but the number of stations given is too few, and their distribution is not very representative since most of them are situated on the coast. We have no statistics whatever concerning average depths of snow in different parts of Great Britain and Ireland, and the investigation of this is, perhaps, rendered specially difficult with us on account of the variable consistency of the snow and the frequent occasions of sleet. In our climate, of course, except in severe seasons on the higher hills, there is hardly such a thing as a steadily increasing depth of snow on the ground from autumn to spring, representing the total fall of the winter minus what is lost through evaporation and compression. Even in our hardest winters there are always, at least near sea-level, one or more complete clearances of the snow-cover by thaw. There can be no question, however, that if Rainfall Observers would systematically measure the depth of undrifted snow after each fall in their respective places and add up the separate falls, the total depth at the end of a season representing the depth of snow that would be lying on the ground were there no thaws, no evaporation or consolidation below, would on the average make very imposing figures taking the country generally. It is these figures that would reveal the real magnitude of the snowfall of the British Isles, which is apt to be concealed by the erratic behaviour of snow in a region where a sudden influx of warm air from the Atlantic may make short work of a deep fall of snow almost as soon as it has fallen, especially

in the more western parts of the British Isles. Within the restrictions imposed by the relatively high mean winter temperature, some 8° F. above the freezing point at sea-level, the snowfall of the British Isles is, at least in some parts, because of the moisture and storminess, distinctly heavy.

In the present paper the writer has attempted a historical method of dealing with the snowfall of the fifty years 1876-1925, that is to say the last quarter of the nineteenth, and the first quarter of the twentieth century. It is in many ways a more instructive method than maps and tables showing average depths and frequencies for the period would be, since it shows in narrative form the general snowfall character of each of the fifty winters. But at the same time it is in some ways less concise and for that reason requires careful explanation concerning the contents of the narrative and the material upon which it has been based. It, perhaps, need hardly be said at the outset that the narrative does not, and could not, make mention of every light, or even considerable, snowfall, especially of a local character, that has taken place in the last fifty years. Snow is far too common in the British Isles for such a catalogue to be practicable even if the full data existed. It is, however, just sufficiently infrequent to permit of the more accentuated snowspells and snowstorms to be exhibited in the way described so that the salient features of each season stand out in bold relief. In conformity, too, with the scheme, some falls of snow that would receive mention had they occurred in the South of England might go unrecorded in the north of Scotland for two reasons: firstly because data are scanty from the wild thinly peopled portions of the country, and partly because snow is such an ordinary occurrence in the north of Scotland that it must, to a certain extent, be taken for granted unless it is conspicuous for unusual abundance or unusual absence. Similarly light falls of snow that would not be mentioned in winter would be noticed in summer because of their relative importance, *i.e.*, the July case in 1888 [see below]. In brief, then, the narrative shows: (1) the date of the winter season, the letter-type used characterizing those seasons which in the author's judgment have had a heavy snowfall (thick type), a normal snowfall (ordinary type) or a light snowfall (italics); (2) the names of those months in each season when snow was a conspicuous feature of the weather; (3) brief notes upon the general character of each season as regards its more prominent snowstorms and snowspells. Now it is most important that students of the narrative should observe this: that whereas on its positive side the definiteness of the narrative can be absolutely guaranteed, on its negative side it cannot be so guaranteed, although it is unlikely that much error of omission has crept in. In other words, whenever it is stated that snow occurred at a certain time in a certain part of the country the reader can accept without question that over part or whole of the district referred to there was a considerable snowfall. On the other hand

it may occasionally be that there are months and districts not included in the narrative that ought to be, and that would be included had fuller data been available ; and hence it follows that anyone using the narrative on its negative side for any specific purpose should always endeavour to seek verification of the implied absence of snow from the place and time in question. With this reservation it is believed that the narrative will be found to present a most useful delineation of the general snowfall conditions of the fifty seasons 1875–76 to 1924–25, and, if so, steps will be taken to continue the survey on a permanent basis. At any rate it cannot fail to rescue from oblivion the outstanding features in a form easy for later generations to compare with their own experiences.

Coming now to the raw data upon which the narrative is based, the most important source of information has been the Observer's Notes in *British Rainfall*, together with numerous articles, notes and letters in *Symons's Meteorological Magazine* and a few in the *Quarterly Journal of the Royal Meteorological Society*. When the War-time economies put a stop to this valuable series of notes in *British Rainfall* their place was to some extent taken by the Monthly and Annual Weather Reports which now furnish useful information about snowfall. This fundamental material, however, has been richly supplemented, especially in the later years by newspaper articles, private correspondence and other miscellaneous sources. Then personal intercourse of the author with local country people has in a few instances proved invaluable in enabling him to judge of the full extent of country affected by a heavy snowstorm and so amplify the positive side of the picture presented in the narrative. A case in point may be of interest to cite. It may be recalled that in the latter part of March, 1922, a severe snowstorm raged in South Wales and that a couple of miners lost their bearings and perished in crossing the bleak mountain ridges of Glamorganshire. The author was not aware at the time that the blizzard had also badly affected the Exmoor district, but subsequently three independent incidents brought the fact home to him. The first was about a fortnight afterwards when he noted a photograph in a London evening newspaper of a motor car stuck in a drift somewhere on the fringe of Exmoor. The second was in the autumn of the same year when the author happened to be spending a holiday in the neighbourhood of Dulverton, Somerset, on the outskirts of Exmoor. He inquired of a farmer whom he chanced to meet in a deep country lane whether there had been much snow the previous spring. The reply was that at the turn of the very lane in which they were standing the snow had drifted level with the hedge top. The third incident confirming the severity of the visitation on Exmoor appeared in the *Nineteenth Century and After* for June, 1923, wherein Mr. White, the writer of an article " With the Birds on Exmoor," refers to the numbers of sheep and ponies lost on the moors in the deep drifts.

Whether the snowstorm was equally severe on Dartmoor or farther west still, the author did not at the time ascertain and it is now, perhaps, too late. This provides an illustration of what is meant by the above statement that the negative side of the narrative is less certain than the positive.

It might be added that the author's keen memory of all the important spells of snow which the country has gone through back to about 1890, that is for the greater portion of the period, has rendered the heavy task of evolving the features of the narrative and the verification thereof somewhat less tedious than would otherwise have been the case. Anyone whose mind was a blank on the subject without knowledge of the peculiarities of our climate might have found it very difficult so to marshal the rather incoherent mass of data in the Observer's Notes and elsewhere as to present anything like a living picture of the events, or anything more than a selected transplantation of the recorded facts.

N.B.—In this paper the term "blizzard" is freely employed in relation to snowstorms of the first magnitude, when, the snow, especially if dry and powdery, is swept by a fierce gale. We do not of course, in these islands experience the extreme cold—far below 0° F.—with squalls of powdered ice rather than ordinary snow, to which the original American designation of *blizzard* mainly refers. But in common parlance this convenient term, which really means "blast," has long been readapted to British conditions, and there seems no particular reason why meteorologists should not authorize its usage. In the Antarctic and in Greenland the term, as is well known, is used in a somewhat special sense.

II. General Survey Narrative of Snowfall in the British Isles in Each Winter of Fifty Years: 1876—1925.

(The first line gives the year and is followed by the months or groups of months with conspicuous snowfall. A year printed in **thick type** denotes a winter with much snow; ordinary type signifies one with average snowfall, and *italics* one with little snow.)

1875–76.—November to May.

An exceedingly snowy season. Snow was fairly general at the end of November, and also in the first week of December, when it lay one to two feet deep in many places both in the north and south, especially in the south-eastern half of England. January and February both had heavy local falls at intervals, and March between the 6th and 22nd brought one continuous succession of snowstorms. April brought a most severe snowstorm in the English Midlands, the depth being nearly two feet in places, with immense drifting in the Lincolnshire Wolds. Snow also fell early in May, which was a bitterly cold month.

1876–77.—DECEMBER TO MARCH.

A little general snow early in November. Heavy snow in south-eastern England just before Christmas. Much snow in the Highlands of Scotland in January, and more widely in north during February and March.

1877–78.—DECEMBER, APRIL.

A little snow in November, but a rather marked spell occurred all over the British Isles in the days following Christmas. A minor spell occurred at the end of January, but by far the most severe spell of the season came at the end of March and extended into early April. This was general. It was notably severe round Exmoor and Dartmoor, many sheep being lost on the uplands.

1878–79.—NOVEMBER TO APRIL.

One of the most persistently cold and snowy seasons in the fifty years. The snowfalls of a more or less general character began early in November, recurred at frequent intervals with increasing severity as the winter wore on, and did not cease till the end of April. The number of snowy days was abnormally large, and some localities in the north in March reported a snow-cover of three months' duration. The December falls in the north of Scotland were described as the worst for many years, and here there was a final heavy fall of about six inches on April 12.

1879–80.—NOVEMBER TO JANUARY.

The early part of this year was a repetition from the point of view of cold weather of the last, but the snowfall, though considerable, was less heavy. December, 1879, was a month of incomparable rigour on the Continental mainland, but was hardly colder than December, 1878, in the British Isles and less cold in England than in 1890.

1880–81.—OCTOBER, JANUARY TO APRIL.

Remarkable October snowfall—six inches deep in many places, including the London district on the 19th.

January was a very snowy month from the 7th onward in all parts of the British Isles. The great south of England blizzard between January 18th and 21st affected the whole of England, except the four northernmost counties. It was most severe in the south-western counties, but not the extreme south-west, as in the case of the similar visitation in March, 1891, the area of greatest intensity corresponding

to Wessex, *viz.*, East Devon, Somerset, Dorset, Wiltshire, Hampshire, and, above all, the Isle of Wight where the depth of snow, which was doubled on the 20th, was about three feet with gigantic drifts.

In February and March there was much snow in the north ; very deep around February 7th and March 4th in the neighbourhood of Sunderland. The funeral of Thomas Carlyle early in February at Ecclefechan, Dumfriesshire, took place in very wintry conditions. (See, for instance, picture in house at Cheyne Row, Chelsea.)

1881–82.

This season showed a marked reaction from the snowfall excess of the previous winter, since, except perhaps at the high levels, there were hardly any heavy or lasting snowfalls. October was cold with more occurrences of snow than usual, but during the winter months, which were very mild, there were only light local falls without which no British winter ever passes.

1882–83.—NOVEMBER, DECEMBER, MARCH AND APRIL.

Heavy snow in south Midlands on November 15th. Between the 4th and 8th of December there raged in southern Scotland and northern England one of the worst blizzards in this record. The depth, without drift, is given as three to four feet in many Border places, and the drifting was immense, roads and railways being hopelessly blocked. This has been described as the " most severe snowstorm of a generation," and was felt also to some extent in northern Ireland.

March and April brought frequent snowfalls occasionally heavy—an example of the " Arctic " type of English spring.

1883–84.—JANUARY.

A season of comparatively little snow though a certain amount fell at intervals between November and April. Around January 26th the Highland Railway was blocked, and there were huge drifts in the Isle of Skye.

1884–85.—MARCH.

A little snow in the early winter and heavy falls around March 21st, chiefly in England. In Scotland and Ireland any depth of snow was chiefly confined to the hills.

1885-86.—SEPTEMBER TO MAY.

Another very snowy season. As early as September 25th light falls of snow occurred even in London, and after November there were repeated heavy falls up and down the country in each month, culminating in a great blizzard in the north of England, Scotland, northern Ireland and the Isle of Man, with depths about two feet and wholesale disorganisation of railway traffic between February 28th and March 2nd. London experienced a heavy fall, among others, on January 6th, when nearly a foot fell in seven hours. Conditions in Scotland during January, 1886, were severe, snow being reported from a number of different parts, *viz.*, Fifeshire, Caithness and Skye, as being very heavy and as having occurred almost every day. In Ireland, even in the west and south, there was also much snow. Following the blizzard at the beginning of March there were frequent falls of snow generally, till about the middle of the month when warmer weather set in. Between April 7th and 10th there was heavy snow in parts of Ireland, especially the Tipperary district. Finally, around May 12th a heavy fall took place in the north of England.

1886-87.—DECEMBER, JANUARY AND MARCH.

December 26th.—Great Boxing Day snowstorm in the south-east of England, with gale and wide destruction of telegraph wires; snow in Kent a foot or more in depth. In the south-west of England this storm mostly brought heavy rain (two inches) instead of snow. This snowstorm was the prelude to a very snowy first half of January over most of England.

The middle of March was again snowy generally in England.

Scotland had most snow in December and March; in January frequent rather than heavy snow. Ireland shared these winter falls, but not to any outstanding extent.

1887-88.—DECEMBER, FEBRUARY AND MARCH; JUNE, JULY.

A generally snowy December, especially in Kent after Christmas. February snowy from the 13th onwards; depth of snow at Oxford over two feet. March 11th–14th great blizzard in south-east Scotland and north-east England. Heavy drifting in Kent around the 19th. It was as ferocious a March as any in the records. The Arctic character of March, 1888, was hemisphere-wide. Great quantities of snow fell all over Europe (three feet of snow on the Riviera), and New York suffered one of the worst blizzards in its history. There was not very much snow in April or May, but the general inclemency of the season was continued, with a few interruptions of hot weather, right into the middle of summer. On the night of June 10th as much as six inches of snow are said to have fallen in parts of Scotland, whilst early on the morning of July 11th a light fall of snow, well authenticated, occurred with a bleak northerly wind over most of the British Isles.

1888–89.—December, February and March.

A certain amount of snow in Scotland in December, heavy on the high hills. Heavy snow in England in February, around the 10th, and early March, notably around Oxford.

1889–90.—November, December, February and March.

Moderate snowfalls in late November and early December, and again in late February and early March, associated with a spell of severe cold.

1890–91.—November, December, January, March and May.

The " historic " frost from November 25th to January 22nd was punctuated at intervals by some heavy falls of snow in the southern counties of England. Thus, at the end of November and early in December snow was lying one to two feet deep in parts of Kent, and in mid-December similar depths were recorded in Devon. From March 9th to 13th raged the famous West Country blizzard, and all through March and April local falls of snow occurred, sometimes heavy as in Northumberland on the 7th just before the Cornish blizzard, and in North Wales at the beginning of April.

The blizzard in the south-west affected the entire south of England in a lesser degree, and there was a secondary area of great intensity in Kent. In Devon and Cornwall the depth of snow averaged two feet with immense drifts, and locally on Dartmoor this amount was doubled by a renewal of the storm on the 12th.

Finally, in May, round the 18th, snow fell over a wide area in the Midlands and East Anglia to the depth of six inches.

Scotland and Ireland, being outside the area of severe frost in December and January, for the most part escaped the heavy snowfalls which beset England and Wales. In March, however, snowfalls were both frequent and heavy, especially in Scotland.

1891–92.—January to April.

January was a month of heavy snowfall in all parts of the British Isles, especially from 6th to 10th—very heavy in Wales. February was of similar character, especially from 16th to 20th, in Ireland, southern England and in Wales. March brought a series of snowfalls especially in the early part. Finally, mid-April brought a severe spell of snow in Kent and Sussex with dislocation of railway traffic and destruction of telegraph wires, but other parts of the country, notably Yorkshire, also suffered badly. The amount of snow which fell in Ireland this season was apparently greater than in any winter except that of 1916–17. In the south of Ireland railway traffic was seriously disorganised in the third week of February, and in Cork the depth of snow, 18 inches, was stated to have been the greatest since 1855.

1892–93.—DECEMBER, JANUARY AND FEBRUARY.

General snowfall in early and late December but not, however, of outstanding severity. In the first three weeks of January and after February 20th there were some copious falls especially in Wales.

1893–94.—NOVEMBER, JANUARY.

On November 18th a disastrous northerly snow gale raged, and some large quantities of snow fell in the east of Great Britain. A spell of intense continental cold early in January brought local snowfalls in the Southern counties, which in places were rather heavy. There were also local falls in the middle of February. March and April, as in the previous year, were practically free from snow.

1894–95.—DECEMBER TO MARCH.

General falls of snow set in at the close of December, and were heavy about the second week in January all over the British Isles. These were resumed during the last ten days of January with the onset of the "historic" frost of February. On January 23rd a sharp "line-squall" snow thunderstorm passed from north to south over eastern England, including London. The February snow was heavy on the western side of the British Isles, especially in the region embracing south-west Scotland, north-west England, the Isle of Man and western Ireland. The depth between the 6th and 10th was as much as $2\frac{1}{2}$ feet in places in Dumfriesshire and Galloway, and $1\frac{1}{2}$ feet in the Lake District. In the Isle of Man internal communication was at a complete standstill. Similar quantities of snow fell in Ireland, including the south, where the depth around Cork was the greatest since February, 1892. The south-west of England likewise experienced a heavy fall. Over the body of England the snowfall was not heavy, though in consequence of the severe cold it remained persistently on the ground to the depth of several inches. In fact, February was a very dry month and the general snowfall was not so heavy as might easily have been the case in a month of continuous frost.

1895–96.

Like the seasons of 1881–82 and 1883–84, this was a winter of trifling snowfall.

1896–97.—JANUARY.

A spell of frost between January 16th and February 1st brought a good deal of snow with bitter north-east winds. The largest quantities of snow fell in the east of England, where in Norfolk and Suffolk snow at times lay a foot or more deep. All along the east coast of Great Britain from Aberdeenshire to Kent blizzard conditions raged round the 23rd with heavy drifting. Occasional falls in March and April, heavy in North Wales at the beginning of April.

1897–98.—FEBRUARY AND MARCH.

Between February 20th and 22nd there was a heavy fall of snow in the west of England. Snow was frequent at the beginning of March and again at the end, especially in the south-east of England, where villages were isolated by deep drifts in west Kent.

1898–99.—NOVEMBER, MARCH.

November brought a heavy fall of snow on the 23rd to the north-western counties of England—eight inches deep at Southport. March, about the 18th, brought deep snow to East Anglia, and some heavy snow in Scotland towards the end. On the whole, there was little snow this season.

1899–1900.—DECEMBER, FEBRUARY AND MARCH.

In mid-December practically the whole of the British Isles lay under snow for a week. It was especially deep in Perthshire. Towards the close of January snowy conditions set in, and during the first half of February the snowfall all over the British Isles was very great, a one-foot fall being fairly general and a two-foot fall occurring in not a few districts. This was the greatest general *spell* of snow in the half-century, as distinct from individual snowstorms.

March was a month of heavy *local* snowfalls in all parts of the British Isles.

1900–01.—JANUARY, FEBRUARY AND MARCH.

The first quarter of 1901 was more or less snowy, especially February and March. There was much snow in the south-east of England around February 4th, in the south-west of England around March 21st, and in the north of England and North Wales around March 29th. The amount of snow lying on Dartmoor on March 21st was considered to be not far short of that after the great blizzard in March, 1891. In Scotland and the north of England the snowstorm on the 29th was of a formidable character in paralysing traffic by road and rail. The Snowdon range had a tremendous fall. There was much snow in Ireland around March 25th. The Isle of Man was badly visited in the February falls.

1901–02.—DECEMBER TO MARCH.

In the south of England this was a season of light snowfall, but in the north it was markedly snowy from December to March. Hence the season is indicated as normal taking the country as a whole. In mid-December a furious easterly snow-gale disorganised traffic in the northern half of England and Scotland, and that part of Britain had a lot of snow during the skating frost of February. During the December

snowfall a depth of 18 inches was reported in parts of the Scottish Highlands. In England the heaviest fall appears to have been in Durham and in Shropshire. At Church Stretton, in the latter county, on the 12th, 18 inches of snow fell, of which half came down between 7 a.m. and 2 p.m. in one of the heaviest falls ever known in a rather snowy locality. This December snowfall affected southern England comparatively little, but there were heavy falls in southern Ireland, notably round Cork. The Leinster Mountains were reported to be deep in snow from December 9th to 30th. The falls in February extended to Northern Ireland, the depth at Armagh on the 7th being 10 inches.

1902–03.—DECEMBER, JANUARY AND APRIL.

This was a season of light snowfall, but early in December there were considerable falls in Kent and neighbouring counties. In mid-January, and again in April, there were frequent snow-squalls, locally heavy, in all parts of the British Isles.

1903–04.—NOVEMBER, FEBRUARY AND MARCH.

At the end of November considerable falls in Kent, much as in the previous year ; also in Scotland. Late in February and early in March there was general snow, which was heaviest in the Midlands and North.

1904–05.—NOVEMBER, APRIL.

There was a general snowspell of some severity in the third week of November, which was particularly marked in the north-west of England and North Wales, and the whole of Scotland. About mid-January a short spell of severe frost with east wind ended in falls of snow, which in the north-west of England were heavy and of a blizzard character, though thaw soon supervened. There was a good deal of local snow in early April, especially in Scotland.

1905–06.—FEBRUARY AND MARCH.

A season of slight snowfall, though there were frequent falls in February and March, which were notably heavy in the north of Scotland.

1906–07.—DECEMBER, JANUARY AND FEBRUARY.

The outstanding event of this season was the widespread snow-storms in Christmas week in all parts of the British Isles. The blizzard in the east of Scotland on the 27th was of paralysing severity.

There were frequent local falls in January and February, and a few in March and April, which in Scotland were more or less copious.

As late as June 26th a rather heavy fall of snow and hail was reported from the Lammermuir Hills in the south of Scotland.

1907–08.—DECEMBER, JANUARY, FEBRUARY, MARCH AND APRIL.

Considerable falls of snow of a somewhat localized character occurred at intervals through the winter.

As regards England these were most notable in the middle of December in Kent, at the end in Devon, early in January all over the South of England, late in February in the north of England, and late in April in East Anglia and the South Midlands. On April 23rd a foot of snow lay in parts of Norfolk and Suffolk. On the 25th the depth in Berkshire, Oxford and Hertfordshire was between one and two feet, and there was much railway disorganisation in various parts of the south of England.

In Scotland rather heavy snowfalls occurred in the eastern and midland districts at the end of December, and at the end of February and the beginning of March the West Highland line was disorganised. In April that country came off relatively lightly.

Ireland was affected in parts, notably Leinster, by the heavy English snowspell in late April.

1908–09.—DECEMBER, FEBRUARY AND MARCH.

This was a season of heavy snowfall, but it practically all came down in the two and a half months between the end of December and the middle of March. The first bout was during the few days following Christmas, when a spell of east wind with severe frost brought general heavy snowfalls of a blizzard-like, dry, powdery character to all parts of the British Isles. The extreme west and south-west, however, escaped, though in England snow lay very deep as far west as Tavistock and Torquay. There were fatalities in the snow in northern Ireland and southern Scotland. The second spell came in mid-January, but was mostly felt in Scotland when trains on the West Highland lines were snowbound for several days.

The third and greatest spell set in towards the end of February and lasted till mid-March. No part of the British Isles escaped heavy and persistent snow. In the opening days of March, Kent and the south-east of England were most seriously visited with depths in places approaching two feet, whilst on the 6th a heavy blizzard raged in Scotland, and the northern and midland counties of England. The Cotteswolds sustained a great weight of snow. There was more or less snow till the 17th of March, after which there was practically no more with the setting in of a warm spring.

1909–10.—December, January.

The bulk of this season's snowfall came in two severe spells, the first between December 15th and 22nd, and the second between January 25th and 31st, though these were preceded by a spell of no great intensity around November 14th and succeeded by local falls late in February and around the 18th of March. The December falls were all over Scotland, Ireland, and much of England and Wales, but left London and the south-east untouched. At the Observatory in Sligo the depth was given as 13 inches. In Cardiganshire and along the Welsh coasts the roads were heavily blocked, and conditions were likewise severe in the Peak district. Several inches of snow also fell in Devon and Cornwall. The January spell was even more severe, and the geographical distribution was similar to that of the December falls in that the London district again entirely escaped. The dislocation of railway traffic on the great main lines between England and Scotland was serious. In Ireland the fall in Munster was notable, the counties of Kerry, Cork and Clare being covered for several days to a great depth, even at low levels.

1910–11. November and April.

A season of light snowfall generally, heavy falls of a curiously local character occurring during the cold weather in November. London had no snow at all in November, whilst places quite near had several inches. In the Fens the snow was thick, and there was much skating. About the end of March came bitter north-easterly squalls of powdery snow, which were intensified early in April. In Kent the squalls were protracted and frequent enough to deposit considerable quantities of snow, and mail vans were stuck on the country roads.

In Scotland the snowfall of this season was remarkably small, anything in the nature of heavy falls being practically relegated to high mountain levels.

1911–12.—January, February.

The bulk of this season's snowfall was concentrated in a spell of some severity in the three weeks from January 12th to February 7th. On January 17th and 18th a heavy snowstorm embraced Scotland, and the bulk of England and Wales with parts of Ireland, leaving the southern counties of England nearly free, although there was a remarkable glazed frost in and around London. The deepest falls, so far at least as England is concerned, occurred in the Birmingham district and the west midlands along the Welsh border, places in Shropshire and Cheshire recording undrifted depth round about two feet, with very serious disturbance of traffic. The snow in the Midlands remained deep on the ground for three weeks, and was added to by further falls accompanying the severe frost at the beginning of February. These later falls spread to London and the south, but were not very heavy.

1912–13.—November, January, March and April.

This was a season of heavy snowfall in north Britain, but of light snowfall in south Britain, and is therefore categorized for the British Isles as a whole as a neutral or average winter. The first marked spell of snow was in November in association with severe cold in Scotland. The second occurred on the 11th and 12th of January, when one of the most severe easterly blizzards in the fifty years paralysed the south of Scotland and north of England, where numerous places had about two and a half feet of snow. The third spell was in the middle of March, when there were frequent local heavy snows chiefly affecting Scotland. The last spell curiously occurred on the same date in April, 11th and 12th, as the January blizzard and affected much the same area. The intensity of the April snowstorm was not quite so great as that of January, but over a foot of snow fell in Durham, Yorkshire and the Peak of Derbyshire, whilst the falls extended into the south of England where, notably in Essex and Hertfordshire, they proved the heaviest in a winter of almost insignificant snowfall.

1913–14.—December and January.

A frosty spell during the Christmas period brought a certain amount of snow on the northern and western sides of Great Britain which was heavy in places. The south-east of England alone escaped. In January there were frequent snow-flurries with easterly winds. Around March 20th snow lay thick on Dartmoor and other western uplands areas, and it also fell around London fairly heavily.

1914–15.—December, January, February, March and May.

This was an exceptionally rainy winter (November to February), but there were several heavy snowfalls interspersed through the wet weather. A short spell of local snowfalls occurred in mid-November.

On the evening of the 28th of December heavy rain suddenly gave place in the south-eastern counties of England to thick snow, with bitter squalls of wind from the north-west lying several inches in places. In the south-western counties the change from equatorial to polar air was less pronounced, and the precipitation remained as rain though of a sleety quality. A certain amount of snow fell in Ireland and Scotland about this time.

On the 22nd of January the counties south of the Thames had a heavy fall of snow, the depth in Surrey approximating to a foot. On the same date in February the south-east of England again had a heavy fall of snow. In March, when the heavy winter rains had ceased, there was a good deal of dry, blizzard-like snowsqualls, which caused

heavy drifting in Scotland and the northern half of England. There was a late recrudescence of snowfall about May 15th in Scotland, and a heavy fall also took place in the English Midlands. So far as London and the south-east of England was concerned, the snowfall of January 22nd was easily the heaviest since the big fall in March, 1909.

1915–16.—NOVEMBER, FEBRUARY AND MARCH.

This was a season of distinctive character. November was very cold, with more or less general falls of snow. In December, which was a very rainy month, and January, which was very mild, there was practically no snow. February ushered in a change, and the snowfall of this month was heavy in every part of the British Isles. March was a month of continuous easterly winds and enormous snowfall at the higher altitudes, especially in the Southern Uplands of Scotland, the Pennines, the Black Mountains of South Wales, and the Cotteswolds. In parts of the Pennines and in the Black Mountains the aggregate snowfall of March was at least 10 feet.

1916–17.—DECEMBER TO APRIL.

This ranks among the very snowy winters of the half-century under review. There was a little snow in November preparatory to the long series of snowy months. The worst months were January and April. Districts especially severely visited were the Peak of Derbyshire in the middle of January, southern and western Ireland around January the 25th, the Scottish Highlands around March 10th, and southern and western Ireland again, and the Cheviot Border country at the beginning of April. This April blizzard is one of the greatest in our annals.

London had the greatest number of snow days this winter in the whole half-century, but the only really heavy falls were those of February 4th and April 2nd.

A hot May came on apace whilst yet the snow was lingering in the hills.

1917–18.—DECEMBER, JANUARY AND APRIL.

Some rather heavy snow accompanied general cold weather in December, especially the latter part, and in the early part of January. Snow lay deep in the north in connection with severe cold in Scotland. Kent and other southern counties experienced serious drifting at times in December.

February and March were very mild, but in the third week of April there was a spell of bleak weather with falls of snow in the south of England.

1918–19.—JANUARY TO APRIL.

Snow began to fall here and there in the middle of November and in the latter part of December preparatory to a long series of snowy months. Early in January the falls were rather heavy in the north and Midlands and again at the end. Early in February came a spell of hard frost, when the north again had heavy snow which also extended to the south of England. February in Scotland was a month of much snow and great cold. During March snowfalls were copious at intervals, London experiencing several, the heaviest being on the night of the 27th, when some nine inches fell. The same applied to April, and the widespread deep snow so late as the 27th was the most remarkable feature of the season in regard to snow. The snow was deepest in the eastern half of England, including the London district, where in many places it lay a foot deep.

1919–20.—SEPTEMBER, NOVEMBER, FEBRUARY.

This was a winter of relatively small snowfall. There was an exceptionally early snowfall of several inches on Dartmoor and other elevated areas on September 20th, following on a belated spell of intense summer heat earlier in the month. Snow was frequent during the very cold November, and there was a somewhat widespread fall about the 20th of February. The November falls were heavy in the north of England and Scotland, and also in the north of France, but in the south of England were only slight. December had frequent falls in Scotland. In March there were fairly frequent light falls.

1920–21.—DECEMBER.

The only outstanding snowfall of the winter was that on the night of December 11th in the eastern and southern counties of England. Over much of East Anglia it lay between six inches and a foot deep—as much as 14 inches at Clacton-on-Sea. It was also heavy along the south coast of Devon, being a foot deep at Plymouth. The fall occurred without wind or drifting and it gave place to a week of intense cold. Practically no important snow later on barring a few local falls in March and April, and in Scotland a somewhat heavy fall on April 14th.

1921–22.—NOVEMBER, JANUARY, FEBRUARY AND MARCH.

Some snow fell in Scotland and the north of England towards the end of October, when the belated summer warmth finally departed, and snow was frequent here and there during the cold November that followed. The middle of January and the beginning of February brought some moderately heavy general falls. Early January brought

a heavy fall in northern Scotland, and the middle of January and the beginning of February saw heavy general falls, especially in the Border country. The outstanding feature of the season was the " blizzard ", towards the end of March, which was severe in Scotland and in northern and western England. In South Wales and the south-western counties the storm, if not bearing comparison with March, 1891, was said at least to have been a reminder thereof, and there were some fatalities in the Glamorganshire mountains. The fall was also heavy in the Upper Thames Valley, and the river was carrying much snow water early in April.

1922–23.—OCTOBER, FEBRUARY AND MAY.

On the 29th of October there was a decided fall of snow in Cornwall. In the second half of February there was an accentuated spell of snowy weather in Scotland and the north of England at a time when the south was having rain, and it lay very deep for a while in Yorkshire. In March there was more of the threat of snow than the actuality. In May snow with heavy drifting occurred in the Scottish Highlands, in the Pennines and other upland tracts. In the London district the season was almost snowless.

1923–24.—NOVEMBER TO APRIL.

This was a somewhat snowy season on the eastern side of Britain, which came under the influence of continental cold, but in the south-west there was practically no snow. The distribution of cold this season conformed to the normal isotherms, but the thermal gradient from West to East was exceptionally steep.

The first falls marked the severe cold of November ; that of the 15th in Scotland (depth two and a half feet at Braemar in Aberdeenshire) being the heaviest ; in December snow fell frequently in the second half, except in the south-west of England and Ireland, and on January 9th London had the deepest fall since December 11th, 1920. In February snow fell at intervals, heavily at the close of the month, the blizzard of the 29th in the north of Scotland being one of the worst on record.

A final spell of snowfall, not, however, very severe, occurred late in March and early in April.

1924–25.—FEBRUARY AND MARCH.

Practically no snow, except in Scotland, fell till February. In the latter month there was a copious snowfall in Scotland. Thick blinding snowfalls occurred in the English Channel and along the south coast about the third week in February, and March had frequent days of snowsqualls, especially in the north.

III. Features of Interest in the Narrative.

General.—It will be noted first of all that snowfall, like any other element of British weather, waxes and wanes irregularly from year to year, and that many of the snowiest winters fall into well marked clusters as, for example, the late seventies, the late eighties and early nineties, and more recently the winters of the War period. Other winters have passed nearly snowfree in restricted portions of the country, but no winter has ever passed without some heavy falls of snow somewhere or other in the bleaker districts. On the whole, the half-century under review makes a pretty good show in the matter of snowfall, and is probably not greatly at variance with any other in the present run of centuries.

Snowy and Snowfree Winters.—In the narrative, 18 seasons are marked as decidedly snowy, but the data are insufficient to enable one to judge which of them was actually the most snowy. The candidates for the distinction would seem, however, to be the winters of 1875–76, 1877–78, 1880–81, 1885–86, 1891–92 and 1916–17, taking the British Isles as a whole, and not England, Scotland and Ireland separately. In England alone the snowy winter of 1890–91, in Scotland that of 1918–19 and in Ireland that of 1894–95, to take a few specific instances, would also be in the running though these three years do not figure in the above list for the whole of the British Isles. Among seasons classed as having had little snow, the most snowfree, taking the British Isles as a whole, were probably 1881–82 and 1895–96, both following cold snowy winters in the previous years. In London, 1881–82, 1895–96, 1912–13 were nearly snowless, and 1922–23 almost absolutely so.[1]

On the whole, there was more snow in the last quarter of the nineteenth century than in the first quarter of the present century, due in large measure to the cold decade 1885–95, but there is not the least ground for thinking that there is any progressive change going on in the direction of less snowy winters. In fact, such evidence[2] as there is, at least up to the turn of the century, rather points the other way.

That the legend of " old fashioned " snowy winters was as strong in the seventies as it is now we have proof in *British Rainfall*, 1878, in connection with the deep snow of December. Thus the Observer at Bodmin, in Cornwall, wrote, p. [56] : " Very cold, like the old winters 30 years since," and the Observer at Buncrana, in the North of Ireland, p. [58] : " An unusually long continuance of frost and snow; such has not been known in the north of Ireland for many years, and is looked upon as a winter of the olden time."

[1] According to Mr. R. C. Mossman, the winter of 1862-63 passed without the slightest occurrence of snow at all in London. (Q.J.R. Meter. Soc., Vol. xxiii. 1897-p. 292.)

[2] Ibid.

PROTRACTED SPELLS OF SNOW.—Of concentrated spells of snow, as distinct from big individual snowstorms, probably the most outstanding among several severe ones, taking the British Isles as a whole, was that of the first half of February, 1900. The reference to this snowfall in *British Rainfall*, 1900, p. [150], as " unprecedented "—a much-abused word in climatology—should not, perhaps, be taken too literally, but there is no doubt about the impressive magnitude of the snowfall. There seems to have been no corner of the British Isles where the snow was not lying nearly a foot deep at some time or other during this fortnight, and in some parts it was more than two feet deep, as in the Lake District soon after the funeral of John Ruskin at Coniston. This snowfall was accompanied by great cold, and gave place to disastrous floods with heavy rain in the second half of February.

The great snowspell of the first half of March, 1909, was similarly widespread and accompanied by intense frost.

But as regards the *upland* regions, the protracted spell of February and March, 1916, seems to have had no parallel in the 50 years. The circumstances of the snowfall are particularly interesting from the point of view of British rainfall. In the latter part of February there had been a good deal of snow in the lowlands, but with March and persistent east wind, temperatures rose sufficiently to bring cold rain and sleet in the lowlands, whilst an enormous snowfall smothered the mountains, except the Lake District mountains, which lay in the " Snow-shadow " of the Pennines during the constant easterly wind. The rainfall map for March, 1916, shows a distribution of precipitation reverse of the normal. From the fact that some 10 inches of " rain " fell this month over the eastern flanks of the Pennines, and that the Observer at Wearhead, Durham, reported one " continuous blizzard " right through the month, there can be no doubt that something like 10 feet of snow fell in March on parts of the Pennines. The High Peak Railway of Derbyshire was unworkable all through the month. The testimony is still more emphatic for the Black Mountains in South Wales, for which the reader should refer to the late Mr. Gethin Jones' report in *Symons's Meteorological Magazine*. It is clear that in the Black Mountains 11 feet of snow fell in February and March, 1916. The damp easterly winds mounting the long " dip " slope of the Cotteswolds likewise produced in that region an immense snowfall, and the depth was also very great on Exmoor and Dartmoor. (See present author's article, *British Rainfall*, 1916.) A great point of interest, however, about the snowfall conditions of March, 1916, is that they exemplify a specially striking case of that normal rapid increase in the amount and frequency of snow with elevation of the ground which is so conspicuous in a region like the British Isles, with a damp winter climate and a mean sea level temperature of about 40° F.

This feature is less prominent in Continental climates with a smaller precipitation, and a mean winter temperature below freezing point. The least altitude seems to tell in England for amount, frequency and persistence of snow. Even plateaux no higher than 500 feet are markedly more snowy than country at sea level in the same region. In the Chiltern Hills and the Downs in the south-east of England, with a general plateaux level not much above 500 feet, one may frequently come across snowploughs left lying out on village greens or at cross-roads through the summer to tell their own tale of winter stress. The explanation of this feature is twofold—reduction of temperature and heavier precipitation.

GREAT SNOWSTORMS.—As regards outstanding individual snowstorms in the half-century mentioned in the narrative, as distinct from highly accentuated bouts of snow over the whole country running into weeks, one must consider the different parts of the kingdom separately.

To take first the Southern half of England. Although there have been many heavy snowfalls there are two " visitations " of blizzard type characterized by smothering clouds of dry powdery snow swept by a fierce easterly gale which stand absolutely in a class by themselves in the whole fifty years, namely, January 18th–20th, 1881, and March 9th–13th, 1891. Both blizzards were sufficiently definite in time and space to be treated as individual storms, but it should be remembered that in both cases what may be called heavy local " satellite " snowfalls affected, before or after, those parts of the country that were not visited by the main storm. Both blizzards were more severe in the south-western than in the south-eastern counties, but in January, 1881, it was the nearer south-western counties, corresponding to Wessex, *viz.*, Somerset, Wiltshire, Dorset, Hampshire and the Isle of Wight, and in March, 1891, the extreme south-west, *viz.*, Devon and Cornwall, that were the areas of greatest intensity. Both cases exhibited this interesting feature: that within the regions which were most heavily visited by the main storm a renewal after a day or two practically doubled the snowfall, but only over a localized extent of country. This happened in the Isle of Wight in 1881, and on Dartmoor in 1891, where the first general fall of one to two feet was supplemented by a similar quantity. The two blizzards, on the other hand, differed in these respects: firstly, considered as individual storms, without reference to the connected subsidiary snowfalls before or after, the 1881 visitation was of much wider extent, affecting the whole of England and Wales except the extreme northern counties of England, whereas the 1891 visitation, even worse perhaps locally, was more strictly confined to the southern counties of England with the primary area of great intensity in Devon and Cornwall, and a secondary area of great intensity in Kent; secondly, that whereas the 1881 blizzard occurred in the midst of one of the most intense frosts in our annals, the 1891 blizzard

was rather an incident in a bleak spring coming as a sequel to the prolonged frost of November, 1890, to January, 1891. For the general effects of these two storms, including the loss of life on land and sea and the burying of trains and mail vans in the drifts, one must refer the reader to such literature as is known by the writer to exist. For January, 1881, there is a good account by Mr. Sowerby Wallis in *Symons's Meteorological Magazine*, and, of course, *The Times* of that period. For March, 1891, the literature is more extensive, for, in addition to *Symons's Meteorological Magazine* and *The Times*, there is a little illustrated book entitled "The Blizzard in the West," published soon after the event but now out of print. A copy exists in the Library of the Royal Meteorological Society, and another in the possession of the author was procured with some difficulty from Exeter in the spring of 1927. It is very clear from the accounts that passengers by several trains in Devon and Cornwall, not only on branch lines but on main line expresses, came perilously near starvation during that terrible week. (See writer's note in the *Meteorological Magazine*, April, 1927.)

Thus the "Zulu" express of those days, which left Paddington at 3 p.m. on Monday, March 9th, managed to get as far as Brent on a southern spur of Dartmoor, between Exeter and Plymouth, by the evening of that day, but was there imprisoned for four whole days, eventually reaching Plymouth at 8.30 p.m. on Friday the 13th. So complete was the breakdown of all forms of communication that no news reached London of the plight of the passengers till Saturday the 14th, nor any details till the Sunday or Monday. (See *The Times* of that period.) Again, a local train carrying mails which, with more courage than prudence, was despatched from Princetown for Plymouth about 6.30 p.m. on the 9th was quickly brought to a standstill a few miles out of the moorland town. The few passengers, all in one compartment, had to face the horrible ordeal of remaining in that train for 36 hours with no sustenance but a little cocoa, bread and butter, cake and brandy brought by packers on the following afternoon of Tuesday, the 10th. Finally, early on Wednesday morning, a farmer living only 250 yards away, who was ignorant all the time of the vicinity of the train—for nothing could be seen—took the passengers in, only just in the nick of time. The compartments of the deserted train were filled to the hat racks with snow, notwithstanding the closing of doors, windows and ventilators. ("Blizzard in the West," p. 34). Predicaments hardly less serious were suffered all over Devon and Cornwall, westward to farthest Land's End, whilst the maritime death-roll along the grim Cornish coast was appalling.

Then Mr. Lowe, in the *Quarterly Journal of the Royal Meteorological Society* for 1891, describes the choking snow dust swept from the drifts after the storm in Monmouthshire, which lay towards the northern margin of the affected area.

Finally, the late Rev. Baring Gould has enriched west country folklore by portraying this storm in the first sketch of his "Dartmoor Idylls," which gives, among other aspects, a vivid insight into the ferocious aspect of the moor at the onset of the blizzard. .

London, it may be added, suffered rather worse in 1881 than in 1891, and the formidable task of clearing the streets was still in operation when the thaw supervened a fortnight later.

Before leaving the discussion of the two south of England blizzards it is of interest to note that the Rev. Gilbert White, in the "Natural History of Selborne," describes a snowstorm in the 18th century which seems to have been very similar to that of January, 1881, and he likewise brings evidence that the severity of the storm increased to the westward of Hampshire towards Wiltshire, Somerset and Devon.

The recent great south of England snowstorm of December 25th and 26th, 1927, must be regarded as comparable with 1881 and 1891 in the magnitude of the drifting effects. Though severe in every southern county, right round from Kent to Cornwall, possibly Kent, Bedfordshire, Wiltshire, Hampshire and Devon had the worst experiences. An interesting feature of this storm was that the snow became drier from east to west. Thus whilst in Kent it was only in the hilly country that it lay to great depths, in Devon deep snow extended down to the sea-level and on Dartmoor an enormous quantity fell. For an excellent description of this storm see the Rev. H. H. Breton's little book "The Great Blizzard of Christmas, 1927: Its Causes and Incidents (2/-.) [See also the account of the storm on pp. 71–73.]

To come now further north in Great Britain, from the point of view of the catalogue of big snowstorms the northern part of England and southern part of Scotland appear to form something of a regional unit, inasmuch as a large number have embraced what, in an extended sense, we may call the Border country. There is no doubt that the great tract of upland country occupying so much of this region, namely, the Southern Uplands of Scotland, the Cheviots and the Pennines is, after the Grampians, the snowiest region in Britain. In these uplands it is imperative for sheep farmers, tucked away in the folds of the hills, to make provision against isolation at intervals during each winter. Those familiar with certain high-lying roads over the Pennine range, such as the one connecting Durham with Cumberland, and farther south, Derbyshire with Cheshire, will have observed the 15-feet snow posts for indicating the roadway. Not infrequently the posts become buried in drifts and so fail in their purpose. The catalogue of big snowstorms for this part of the country is somewhat embarrassing, and there are no two such outstanding cases as we have described for the south of England. The following, however, may be selected from an imposing list as among the worst on either side of the Border, December 4th–8th, 1882, February 28th–March 2nd, 1886, March 11th–16th, 1888, March 29th, 1901, mid-December, 1901, November 21st–

23rd, 1904, December 27th–28th, 1906, January 11th and 12th, 1913, and April 1st–3rd, 1917.

The Border blizzard of December 4th–8th, 1882, seems to have been one of the worst snowstorms in our annals, but it happened for the most part in wild country, and there is little definite information except to the effect that the snow was in some places between 3 and 4 feet undrifted with something like total suspension of locomotion. It was caused, like the two south country visitations above, by a cyclonic distribution passing to the southward so that the affected area came under the influence of polar east winds along an impressive polar front.

The similar easterly blizzard of the close of February and opening of March, 1886, is described in *Symons's Meteorological Magazine* for March, 1886. It affected a wide area embracing northern England, most of Scotland, northern Ireland and the Isle of Man, but was most severe in Berwickshire, Northumberland and Durham, where numerous trains were held fast in the snow. The long processions of snow-laden carts in Edinburgh for days afterwards were an amazing sight.

Much the same disorganisation of traffic on the North Eastern Railway (of those days) was occasioned in Northumberland and Durham by the blizzard of March 11th–14th, 1888, but the area affected was much smaller than in 1886, being practically confined to the coastal strip of north-eastern England and south-eastern Scotland, being presumably very severe out in the North Sea. In fact, so marked was this coastal limitation that it is said one had to mount high on the Pennines to the west in order to find the same depth of snow, between one and two feet, as was lying in Newcastle. It does, of course, rarely happen that the lowlands will catch a snowfall more than the neighbouring uplands, and a still more striking instance occurred during the widespread snowfalls in England of December, 1920, when the snow was lying about a foot deep in Plymouth, whilst on Dartmoor there was only a few inches—a most extraordinary reversal of the normal distribution. (See the *Meteorological Magazine* for January, 1921.)

The spring visitation of March 29th, 1901, was of paralysing intensity in the northern counties. An immense snowfall occurred in the Snowdon and Berwyn ranges of North Wales, estimated by so careful an observer as the late Mr. Gethin Jones as amounting to five to seven feet. (*British Rainfall*, 1909.)

At the end of the same year between December 12th and 18th, 1901, the whole of northern England again had a heavy easterly blizzard ranking among the major storms in that region.

Between November 20th and 23rd, 1904, an extensive tract of country in southern Scotland and northern England had a snowfall averaging 18 inches, with the usual effects of heavy drifting.

The east of Scotland blizzard of December 27th–28th, 1906, was a formidable affair, being the most intense item in the widespread series of heavy snowfalls all over the British Isles of Christmas week in 1906. A fatal railway accident at Arbroath was directly occasioned by the storm. (See *B.R.*, 1906, and *Symons's Met. Mag.*, Jan., 1907.)

On January 11th and 13th, 1913, a depression which brought rain in the south of England brought another of those paralysing easterly blizzards in the north of England, some localities having about 2½ feet of snow.

The great Border snowstorm of the opening days of April, 1917, was part of widespread storms, specially remarkable in Ireland. No very definite accounts have come to hand from this district, but Cheviot farmers have reported that the falling snow and driving drift were so dense and blinding that it was a perilous proceeding even to venture from the house to the outhouses. This blizzard was not of the more usual easterly type, but was developed in a flow of bitter polar air mainly from the north-west. It was renewed on the 10th.

Coming now to the northernmost division of Great Britain, namely, the Highlands of Scotland, it is difficult to speak with much precision as regards great individual snowstorms, as distinct from accentuated snowy periods. In the first place, the region is "off the map" to us in London by reason both of mileage and sparseness of population, so that we do not always get as much information as we should like. In the second place, the north of Scotland, even at sea-level, gets much more snow than the south of England, so that big falls do not stand out in the same relief. Nevertheless, we shall probably not be much in error if we make the guarded statement that there have been no more furious snowstorms embracing the whole of northern Scotland, and including the outer isles, than those of mid-December, 1878, mid-December, 1901, around March 10th, 1917, and at the close of February, 1924. In the Highlands proper, that is to say, the mountains as distinct from the general geographic region, big falls are too regular to be specified. Here the really grand mountain falls of the year in a long snowy season commonly come between February and April.

What even the month of May can be like in elevated country in bleak seasons is vividly told in Seton Gordon's "Cairngorm Hills of Scotland," wherein it is stated that a fierce snowstorm raged almost without respite during the whole of the bleak May of 1923, conditions at 4,000 ft. in Scotland suggesting Spitzbergen at sea-level.

In Ireland among many heavy falls of snow during the period, the blizzard of early April, 1917, was in the south and west a visitation of the same type and magnitude as those we have mentioned for various parts of Great Britain. The same area had also been severely visited in January of the same year. In 1917 falls in Ireland, at least in the south and west, were the heaviest since February, 1892, and probably

the heaviest in the whole fifty years. (See author's article, *British Rainfall*, 1917.)

SEASONAL FEATURES.—One of the interesting features in the narrative is the fact that the month of March stands out almost as conspicuously as any for snow. This is, of course, thoroughly climatic, but in former days the fact does not seem to have been so well realised as it is now. Thus, in the early numbers of *Symons's Meteorological Magazine* one sometimes comes across such expressions as " And this is March ! " in relation to paralysing snowstorms, the implication being that what would be considered seasonable in December and January was not so considered in March. There is certainly a sense in which deep snow accompanying hard frost in the dark days of December is pre-eminently seasonable and suggestive of deep winter ; but statistics show (see Book of Normals, Section 5, Meteorological Office publication), and general experience indicates, that snow considered simply as a phenomenon apart from attendant seasonal circumstances in the British Isles is less frequent in December than in January, February or March. Relatively to the normal temperatures of the months the liability to snowfall in England is much greater on the spring than on the autumnal side of winter. Thus, April and November show almost the same statistical frequency, although November is, on the average, a decidedly colder month with the feeble sun of winter ; similarly, October, though a decidedly colder month than May and without the latter's fierce sunshine, has no greater liability to snowfall. A somewhat similar relationship exists between June and September months when snowfall is rare except at the higher altitudes. August[3], though slightly cooler on land than July, is probably the month when snowfall is least likely because of the warmth of the sea and upper air.

The explanation of this seasonal anomaly is that temporary invasions of polar air in spring are not only frequent but also very bitter, especially aloft, and that the sea-surface over which the cold airstreams have to pass before reaching us is considerably cooler than in late autumn or early winter. In spring, while the land is being warmed up below, there is a great reservoir of cold aloft, whereas in autumn the accession of cold begins, as it were, with radiation from the ground with the retreat of the sun. The latter thermal distribution is not so favourable to snowfall as the very cold upper air of spring.

REGIONAL FEATURES.—The frequency with which Scotland and Northern England are mentioned in the narrative reflects the greater abundance of snow in the north, but a careful inspection will also

[3] Sea-level occurrences of snow in summer are difficult to verify because of the ease with which snow is confused with hail, especially summer snow almost invariably of the granular variety (soft hail). Even if flakes or crystals of snow were observed they would probably in most cases be mixed with a much larger body of hail-stones of some variety or other, so that the precipitation would essentially be hail rather than snow.

suggest that the factors governing the geographical distribution of snow in the British Isles, like the seasonal distribution, are complex. There is no doubt that Scotland by reason of the combined influences of more northerly latitude and greater average elevation has more snow than England, but that the difference is lessened by reason of the more easterly longitude and the higher grade of continentality of England. In fact, were Britain a dead plain it is doubtful if Scotland would have more snow than England in the depth of winter, though, in any case, it would fall over a longer season. The south of England appears, on the average, to constitute a relatively snowfree region between the north of England and the north of France, but on occasions, as we have seen, can experience very heavy snowfalls, especially in winters of the continental type like 1890–91. The south of England, too, is familiar enough with big snowstorms as late as April, to wit, in 1875, 1892, 1908, 1911, 1917 and 1919.

Ireland certainly has less snow than England on the average, but the difference is not so great as it is sometimes hastily assumed by those who read too much into the run of the mean winter isotherms and forget the factors of moisture and storminess. The frequency of snow is certainly greater in the east of Great Britain, than in the south-west of England, the western seaboard of Scotland and Ireland, because those western parts often fail to come under the influence of continental types of weather ; but given general spells of cold weather, which are far from rare, the snowfall in the milder western districts is almost invariably heavier. In the cold snowy winters of 1891–92, 1894–95 and 1916–17 the snowfall in Ireland was heavier than in Great Britain. An inspection of the narrative will show, too, that the south-western counties of England, viz., Somerset, Dorset, Devon and Cornwall are liberally represented in the course of the fifty years, apart from one blizzard (1891) whose ferocity has not been surpassed anywhere, and has passed into literature in a way that no other snowstorm in the fifty years has done.

As an example of a serious snowspell in the fifty years which was practically confined to the east side of Great Britain, may be mentioned that of the second half of January, 1897.

SNOWFALL AND PRESSURE DISTRIBUTION.—It has not been found practicable to say anything systematic about the distribution of pressure accompanying the heavy falls of snow, and readers interested should consult the Daily Weather Reports in question. It may be said that practically the only type of weather in which sustained snowfall may not occur in the British Isles, apart from the dry, anticyclonic type, is the fully developed south-westerly type, except at levels above 3,000 feet. The fact, however, that this occupies more time than any other single type effectively restricts our snowfall. The most favourable to snowfall are the northerly and easterly types, or a cross between the two. It is rather small shallow depressions

developing in the polar air of either of these types that bring heavy snowfalls, first in one locality then in another. With larger and deeper depressions there is always the risk in our islands of supplies of warm Atlantic air being drawn in and converting an expected snowfall into a rainfall, sometimes with " silver thaw." However, sometimes this is avoided, and then we may get a heavy snowfall along the " warm front " of a big cyclone over a larger portion of the Kingdom at once. One has gained the impression that in cold weather snow develops more easily in meteorological situations apparently unfavourable to precipitation than rain does in warm weather.

DEPTHS OF SNOW, UNDRIFTED AND DRIFTED.—A question that is sure to be raised in the minds of many readers is the greatest depth of undrifted snow ever recorded in the British Isles, or that may reasonably be considered to have fallen. This question cannot be answered with the precision of rainfall measurements because, firstly, the direct measurement of snow is frequently vitiated by drifting, and, secondly, because the indirect measurements in terms of the melted equivalent of snow is frequently vitiated by the failure of the rain gauge to catch all but a fraction of the snow which falls. The question is also a matter of definition.

Assuming that the question refers to the amount of snow fallen in what may be regarded as a single snowstorm it can be answered approximately to the nearest foot. Examination of the narrative will show that one-foot falls of snow are a commonplace in so far that they occur somewhere or other practically every winter, even at sea-level and often over quite considerable areas. Nor can two-foot falls of snow be considered particularly rare, since all our biggest snowstorms have brought falls round about this depth over at least restricted areas. There are also actual records of three and four feet of snow over very small areas just as in big rainstorms the higher isohyets, say from five inches upwards, always embrace increasingly small areas.

In January, 1881, statements to the effect that four to five feet of snow fell at places near sea-level in the Isle of Wight and Hampshire are recorded. Even if we allow for the possibility of exaggeration, it is almost certain that up on the downs in the Isle of Wight, or on Salisbury Plain and the White Horse Hills, amounts of this order must have fallen unrecorded. Then, in March, 1891, the late Mr. Symons put the general depth of snow over Devon and Cornwall after the main storm on the 9th and 10th as about two feet. But it is told in the " Blizzard in the West " that on Dartmoor the work of clearing the leat supplying Plymouth and Devonport with water was seriously hampered by the falling of another *three feet* of snow when the storm came on again with redoubled fury on the 12th. Whilst the exact number of feet cannot be guaranteed, there can be no doubt that something like four feet of snow did fall on Dartmoor between March 9th and 13th, 1891 and probably not much less in January, 1881.

Estimates of 4 feet of snow were also given in the south of Scotland in December, 1882, and in the west of Ireland in April, 1917. At levels above 2,000 feet there is no doubt that more than 4 feet of snow may fall in exceptionally severe storms, as at 3,000 feet on Snowdon, referred to above, on March 29th, 1901, when 5 to 7 feet came down in a single storm.

If the question refers to the accumulated depth of successive falls, there cannot be much doubt that on the mountains depths of as much as 10 or more feet may sometimes be realised locally, as in March, 1916, referred to above.

As regards the depth of snow drifts, 20 feet is a figure commonly given in our worst storms. This occurred in many southern counties as recently as December 26th, 1927.

In exceptionally favourable conditions much deeper drifts may be piled up. Thus, in January, 1881, the Tring cutting on the London and North Western Railway was filled to the top with drift. In March, 1891, according to the Rev. Baring Gould, the deep ravine on Dartmoor, known as Tavy Cleave, at the end of the hurricane was filled up with snow to the depth of 300 feet. This may sound fabulous to those accustomed only to the sheltered conditions of city life and do not realise the terrific fetch of the wind over a broad bare plateau, sweeping some spots bare of snow and forming gigantic accumulations over others. Fortunately the numerical feasibility of this great Dartmoor drift is substantiated by the late Mr. Gethin Jones, who showed in his paper on the drift lines on Carnedd Llewelyn in the Snowdon range, where snow habitually lingers in a certain gully very late into the summer, that with a two-foot snowfall above 2,500 feet enough snow could be found to fill a hollow with 200 feet of fresh snow or 50 feet of compressed snow. (*British Rainfall*, 1909.)

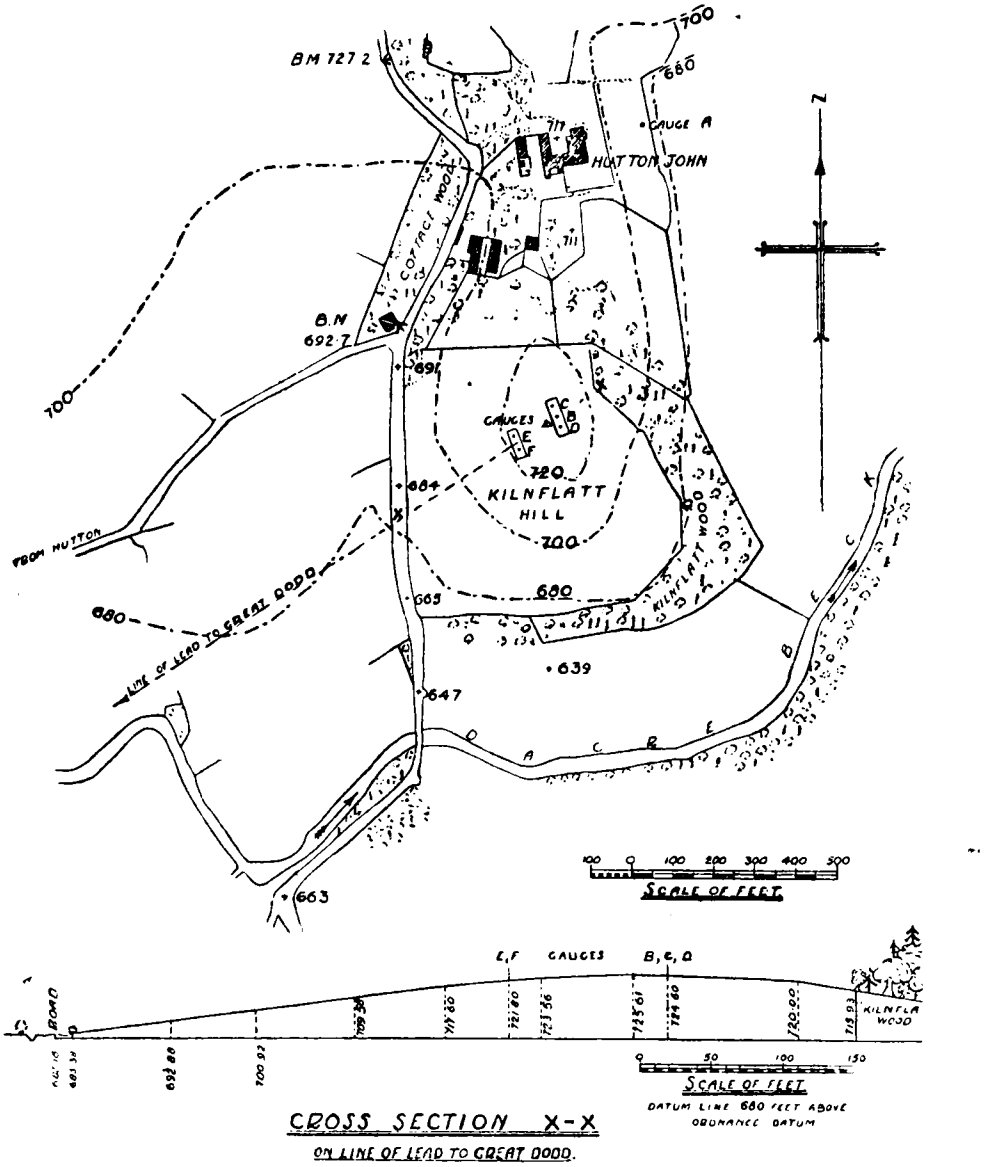
At any rate, traces of the March blizzard of 1891 were to be seen nestling in hollows on the moor as late as June, an extraordinary length of time for that season of the year.

PERMANENT SNOWBEDS.—Finally, in any discussion of the snowfall of the British Isles in the last half century there should be a reference to the discovery by the Rev. R. P. Dansey, Rev. A. E. Robertson, Mr. Seton Gordon and others, of the permanent snow beds which exist in the Ben Nevis range in Inverness-shire, and in the Cairngorm Plateau in Aberdeenshire. (See *Geog. Journ*, Vol. 25 (1905), p. 451, and 54 (1919), p. 193, and *Symons's Meteorological Magazine*, March, 1905, p. 29.) These owe their origin not so much to drifting in the ordinary sense as to the blowing and avalanching of masses of snow from cliff tops into cold gloomy corries and cirques, where sunshine and warm winds do not easily penetrate. They must be regarded as " outliers " of the hypothetical line of perpetual snow which obviously cannot lie very much above the summit of Ben Nevis with its mean July temperature of only 41° and its heavy precipitation.

REPORT ON EXPERIMENTS WITH RAIN-GAUGE SHIELDS DURING THE PERIOD 1st MARCH, 1927, TO 29th FEBRUARY, 1928, AT HUTTON JOHN, PENRITH.

By F. Hudleston, M.Inst.C.E.

The experiments with the second installation of shields of which a detailed description appeared on page 289 of *British Rainfall*, 1926, have been continued for twelve consecutive months (1st March, 1927–29th February, 1928). A contoured map showing the positions and the surroundings of the gauges, which are lettered "A" to "F" on the map, and a cross-section along the direction of the prevailing wind are reprinted from page 286 of *British Rainfall*, 1926. Gauge A is



Map showing contours in neighbourhood of Kilnflatt Hill, and positions of Rain-gauges A, B, C, D, E and F.

the standard gauge at the old-established site in the gardens to the east of Hutton John. It is 5 yards west of a retaining wall 7 ft. high which divides the lower-lying park land on the east from the gardens. Gauges B, C and D are shown in the eastern enclosure just east of the crest of Kilnflatt Hill. B is normally exposed; throughout the year C was surrounded on the north, south and west sides by a wire-netting fence 1 ft. 6 in. high; D is surrounded by a turf wall 1 ft. 3 in. high, 10 ft. in diameter at the crest of the wall. Gauges E and F are in the western enclosure on the western side of the hill, the amount of the slope being 1 in 8 downwards to W.S.W., approximately. E was fenced in by four iron hurdles, each 6 ft. long and 3 ft. 4 in. high; F was normally exposed. The following conclusions from the year's records seem to be fairly definite.

(1) That the sloping turf wall round gauge D enabled it to catch, approximately, the same quantity of rain as gauge A in 80 days with high westerly wind of between 20 and 50 m.p.h.

(2) That on four days when precipitation took the form of sleet or snow, gauge D succeeded in catching very much more than any other of the six experimental gauges; but there was not enough snow in the winter of 1927–28 to enable any reliable opinion to be formed as to whether it was or was not catching more than its proper quantity.

(3) That on 80 days of westerly winds of from 20 to 50 m.p.h., the catches of the gauges in the western enclosure (*i.e.* on the 1 in 8 slope) averaged only 80 per cent. of those in the eastern enclosure just to leeward of the summit of Kilnflatt Hill. On one day—2nd October, 1927—with a short and very sharp S.W. gale the ratio was only 61 per cent. (" F " caught 0·14 inches while " B " caught 0·23 inches).

(4) That on 126 days of ordinary rainy weather when the wind was below 18 m.p.h., the gauges on the sloping hillside caught barely 94 per cent. of those just beyond the summit.

(5) That the total catch of the hurdled gauge E on the 80 days of high westerly winds was only 96 per cent. of gauge F which is close to E, but has normal exposure.

(6) That the catches of gauges B and C in the eastern enclosure (*i.e.* the normally exposed gauge and the one with a wire-netting screen) were practically identical in every condition of wind, rain and snow. In other words, a wire-netting screen, of the stated dimensions, has no appreciable effect upon the catch of a raingauge.

(7) That the influence of a high wood upon the catches of rain-gauges at various distances to leeward of it (in the twelve months experiments this condition of affairs only prevailed upon 19 days of easterly winds)—is somewhat complex but does not appear to be very great.

In order to obtain further evidence bearing on paragraph (7) two more gauges (called G and H) have been established in the park at positions 90 yards and 190 yards N.E. of Kilnflatt Wood where they will be sheltered from the prevailing gales and have ratios of 1 to 2 and of 1 to 4 for height/distance.

In order to obtain further evidence about sloping turf walls, three more of them were erected in April, 1928 ; one in the eastern enclosure not far from gauge D and two in the western enclosure. The first-named of these—put up round gauge C—is 12 in. high as compared with the 15 in. of D's turf wall, and the other two have their crests in the same plane as the lip of their gauges, *i.e.* 12 in. above ground level ; but one of them (a new gauge marked E_2) has its crest parallel to the sloping surface of the hillside, while the other (marked E_1) has the crest of its turf wall exactly level.

Gauge F is left normally exposed in this western enclosure in order to indicate how these two different turf walls deal with the apparent *uplift* of a strong wind on a sloping hillside.

Gauges A and B are unaltered.

The twelve months of the second stage of experiments were unusually wet. The total rainfall here was 62 in. and there were 229 days of "·01 inches or more," and 185 days of "·04 inches or more."

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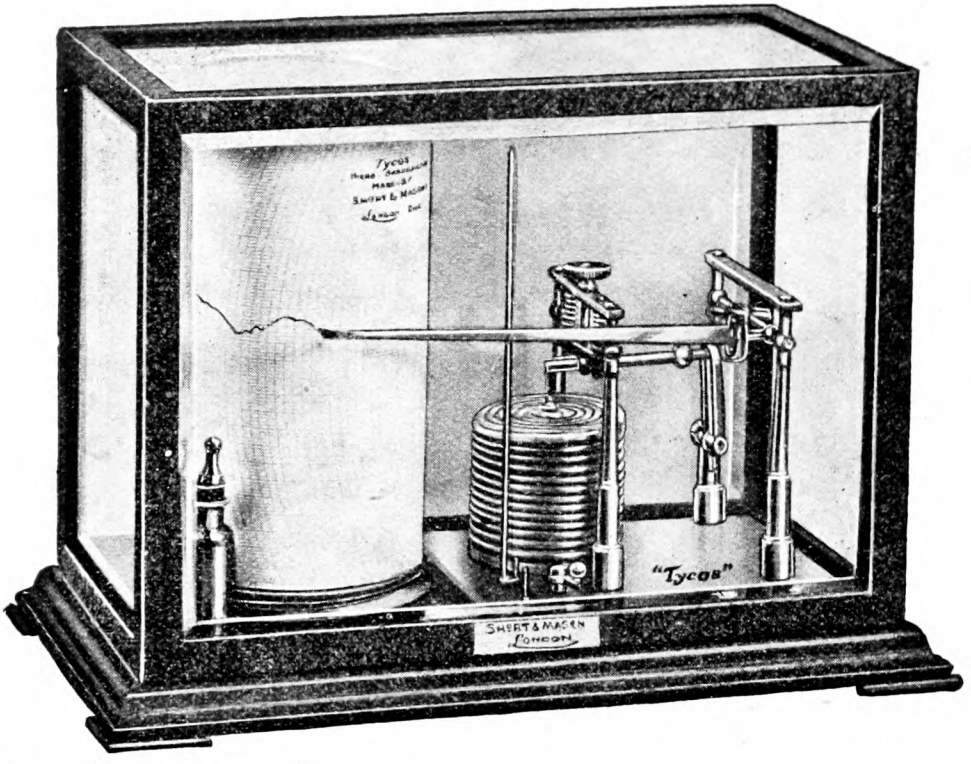

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